

Imparare a scrivere e leggere ... un brevetto

 **I. Vittoria Primiceri**

Reggio Calabria 20 Giugno 2013



Fonti: EPO, WIPO,
Walter Hanchuk, Robert P. Simpson



I parte

Che cos'è un brevetto

Il brevetto è un documento tecnico-legale, concesso dallo Stato, che conferisce al suo titolare il diritto allo sfruttamento in regime di monopolio di quanto descritto nel brevetto stesso; un diritto di monopolio limitato

Temporalmente e Territorialmente

IL BREVETTO e il suo scopo

- **Conferire protezione**
- **Informare il pubblico**
 - Come leggerlo ...
 - Come scriverlo ...

La domanda di brevetto

 **Titolo**

 **Introduzione**

 **Descrizione (Esempi)**

 **Rivendicazioni**

 **Indipendenti**

 **Dipendenti**

 **Riassunto**

 **Disegni**

 **Inquadramento tecnico**

 **Arte nota**

 **Svantaggi arte nota**

 **Obiettivi**

 **Spiegazioni**

 **Altre caratteristiche**

 **Prodotto o dispositivo**

 **Processo**

 **Impiego**

 **Caratteristiche aggiuntive**

Perchè è così difficile scrivere una domanda di brevetto?

- E' un documento **Legale e Tecnico**
- Ha tanti lettori
 - **Il Cliente, l'Esaminatore ufficiale di Stato, le Corti dei vari gradi di giudizio che interpretano quanto è scritto alla luce delle varie legislazioni, i traduttori, i potenziali Investitori, i potenziali Contraffattori, gli Avvocati, i Giudici, i ricercatori**

Considerazioni Legali

- Requisiti di legge
- Novità
- Originalità - Non-ovvietà
- Descrizione scritta, sufficiente ed esaustiva, modo migliore per realizzare l'invenzione



US005960411A

United States Patent [19]
Hartman et al.

[11] **Patent Number:** **5,960,411**
[45] **Date of Patent:** **Sep. 28, 1999**

- [54] **METHOD AND SYSTEM FOR PLACING A PURCHASE ORDER VIA A COMMUNICATIONS NETWORK**
- [75] Inventors: **Peri Hartman; Jeffrey P. Bezos; Shel Kaphan; Joel Spiegel**, all of Seattle, Wash.
- [73] Assignee: **Amazon.com, Inc.**, Seattle, Wash.
- [21] Appl. No.: **08/928,951**
- [22] Filed: **Sep. 12, 1997**
- [51] **Int. Cl.⁶** **G06F 17/60**
- [52] **U.S. Cl.** **705/26; 705/27; 345/962**
- [58] **Field of Search** **705/26, 27; 380/24, 380/25; 235/2, 375, 378, 381; 395/188.01; 345/962**

[56] **References Cited**

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5,715,399	2/1998	Bezos	705/27
5,727,163	3/1998	Bezos	705/27
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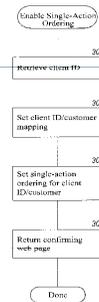
(List continued on next page.)

Primary Examiner—James P. Trammell
Assistant Examiner—Demetra R. Smith
Attorney, Agent, or Firm—Perkins Coie LLP

[57] **ABSTRACT**

A method and system for placing an order to purchase an item via the Internet. The order is placed by a purchaser at a client system and received by a server system. The server system receives purchaser information including identification of the purchaser, payment information, and shipment information from the client system. The server system then assigns a client identifier to the client system and associates the assigned client identifier with the received purchaser information. The server system sends to the client system the assigned client identifier and an HTML document identifying the item and including an order button. The client system receives and stores the assigned client identifier and receives and displays the HTML document. In response to the selection of the order button, the client system sends to the server system a request to purchase the identified item. The server system receives the request and combines the purchaser information associated with the client identifier of the client system to generate an order to purchase the item in accordance with the billing and shipment information whereby the purchaser effects the ordering of the product by selection of the order button.

26 Claims, 11 Drawing Sheets



Titolo dell'Invenzione

- Deve essere corto e attinente
- Il titolo non deve superare i 500 caratteri
- Nè deve contenere nomi di fantasia o marchi

Method and system for placing a purchase order via a communications network.



ES0799412A

United States Patent [16] Patent Number: 5,988,411
 Hartman et al. [8] Date of Patent: Sep. 28, 1999

[54] METHOD AND SYSTEM FOR PLACING A PURCHASE ORDER VIA A COMMUNICATIONS NETWORK

[57] **Abstract.** Peter Hartman, Jeffrey P. Rosen, Scott Kaplan, Joel Spiegel, et al. Seattle, Wash.

[37] Assignee: Amazon.com, Inc., Seattle, Wash.

[31] Appl. No. 08/842,821

[32] Filed: Sep. 23, 1997

[51] Int. Cl.⁷ G06F 0001/00

[52] U.S. Cl. 705/26, 705/27, 705/28

[58] Field of Search: 705/26, 705/27, 705/28, 705/29, 705/30, 705/31, 705/32, 705/33

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(List continued on next page)

Primary Examiner—James P. Trumbull
 Assistant Examiner—Dennis H. Smith
 Attorney—Fogel, Wain, Peltz, Peltz, Goss, LLP

[57] ABSTRACT

A method and system for placing an order to purchase an item via the Internet. The order is placed by a purchaser at a computer terminal accessed by a server system. The server system receives purchase information including identification of the purchaser, product information, and shipment information from the client system. The server system then generates a click identifier in the client system and transmits the generated click identifier with the received purchase information. The server system sends the client system the generated click identifier and an HTML document displaying the item including an order button. The client system receives and stores the generated click identifier and includes and displays the HTML document. In response to the selection of the order button, the client system sends to the server system a request to purchase the purchased item. The server system receives the request and processes the purchase information associated with the click identifier of the client system to generate an order to purchase the item or merchandise with the shipping and delivery information whereby the purchaser places the ordering of the product or selection of the order button.

26 Claims, 11 Drawing Sheets



Exhibit 2-2 The title of the Amazon one-click patent.

Prima pagina

- **Inventore(i)**
- **Titolare**
- **No. della Domanda**
- **Domande correlate**
- **Classificazione Internazionale e US**
- **Campo di ricerca**
- **Riferimenti Citati**
- **Esaminatore primario**
- **Esaminatore assistente**
- **Mandatario, Agente o Studio legale incaricato**
- **Cdici INID**



United States Patent [31] Patent Number: 5,960,411
 HARTMAN et al. [32] Date of Patent: Sep. 23, 1999

Patent number
 5,960,411

[54] METHOD AND SYSTEM FOR PLACING A PURCHASE ORDER VIA A COMMUNICATIONS NETWORK
 [57] Inventors: Paul Hartman, Jeffrey P. Jones, Chad Kaplan, Joel Spiegel, et al. of Seattle, Wash.
 [72] Assignee: Amazon.com, Inc., Seattle, Wash.
 [73] Appl. No.: 09/036,433
 [22] Filed: Sep. 23, 1999
 [31] Int. Cl. Class.: G06F 17/00
 [32] U.S. Cl. Class.: 709/203; 709/204
 [36] Field of Invention: COMMUNICATIONS NETWORKS; DATA PROCESSING SYSTEMS; ELECTRONIC COMMERCE

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Primary Examiner: James P. Hancock
 Assistant Examiner: Patricia A. Smith
 Attorney: Apple, et al. / Fish & Phillips Corp. LLP

[57] ABSTRACT

A method and system for placing an order in purchase via the Internet. The order is placed by a purchase via a client system and received by a server system. The server system receives purchase information including identification of the purchase, purchase information, and shipping information from the client system. The server system then assigns a class identifier to the item based on purchase information. The server system then identifies purchase information. The server system then identifies the assigned class identifier and an HTML document identifying the item purchased by the client system. The server system then sends the assigned class identifier and server and displays the HTML document to the client system. The HTML document is displayed to the client system in the window of the order list. The HTML document is displayed to the client system in the window of the order list. The server system then receives the request and transmits the purchase information received via the client system of the client system to generate an order to purchase the item as associated with the item and transmits information identifying the purchase of the order of the purchase via the client system.

Attorney: Apple, et al. / Fish & Phillips Corp. LLP



Exhibit 2-3 The patent number of the Amazon one-click patent.



United States Patent [19]
Hartman et al.

[11] **Patent Number:** 5,960,411
 [45] **Date of Patent:** Sep. 28, 1999

[54] **METHOD AND SYSTEM FOR PLACING A PURCHASE ORDER VIA A COMMUNICATIONS NETWORK**
 [75] Inventors: **Peri Hartman; Jeffrey P. Bezos; Shel Kaphan; Joel Spiegel**, all of Seattle, Wash.
 [73] Assignee: **Amazon.com, Inc.**, Seattle, Wash.
 [21] Appl. No.: **08/928,951**
 [22] Filed: **Sep. 12, 1997**
 [51] Int. Cl.⁶ **G06F 17/60**
 [52] U.S. Cl. **705/24; 705/27; 345/962**
 [58] **Field of Search** **705/26, 27, 380/24, 380/25; 235/2, 375, 378, 381; 395/188.01; 345/962**

"Pacific Coast Software Software creates virtual shopping cart." Sep. 6, 1996, M2 Communications Ltd 1996.
 "Software Creates Virtual Shopping Cart." Sep. 5, 1996, Business Wire, Inc.
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Primary Examiner—James P. Trammell
 Assistant Examiner—Domenica R. Smith
 Attorney, Agent, or Firm—Perkins Coie LLP

Field of search

[56] **References Cited**

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5,727,103	3/1998	Bezos	705/27
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5,758,126	5/1998	Daniels et al.	395/300

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5,745,681	4/1998	Levine et al.	395/300.3
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[57] **ABSTRACT**

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26 Claims, 11 Drawing Sheets



Exhibit 2-5 Prior art section and field of search of the Amazon one-click patent.

Inventors: Peri Hartman;
 Jeffrey P. Bezos; Shel
 Kaphan, Joel Spiegel, all of
 Seattle, Washington
 Assignee: Amazon.com,
 Inc., Seattle, Washington



United States Patent (19) (11) Patent Number: 5,960,411
 Hartman et al. (10) Date of Patent: Sep. 28, 1999

(54) METHOD AND SYSTEM FOR PLACING A
 PURCHASE ORDER VIA A
 COMMUNICATIONS NETWORK

(75) Inventors: Peri Hartman, Jeffrey P. Bezos, Shel
 Kaphan, Joel Spiegel, all of Seattle,
 Wash.
 (73) Assignee: Amazon.com, Inc., Seattle, Wash.

(21) Appl. No. 08/932,051
 (22) Filed: Aug. 12, 1997
 (31) Int. Cl. G06F 17/00
 (32) Int. Cl. H02N 06/02, H02N 06/04
 (34) Field of Search: 705/26, 77, 80/24,
 80/25, 80/26, 375, 376, 381, 390/28, 391,
 400/07

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(24) CLAIMS (continued on next page)

Primary Examiner—Joseph M. Truesdell
 Attorney Examiner—Doreen R. Gault
 Attorney Agent—Finn, Pinsky, Corsi LLP

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5048397	4/29/87	Eden	58233
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 World Wide Web

ABSTRACT
 A method and system for placing an order to purchase an
 item via the Internet. The order is placed by a purchaser in a
 single click and received by a server system. The server
 system receives purchaser information including identification
 of the purchaser, payment information, and shipping
 information from the client system. The server system then
 engages a third vendor in the client system and generates
 the shipping label and invoice and generates purchaser
 information. The server system sends the shipping label and
 invoice to the third vendor and the purchaser information
 to the server and includes purchaser information. The client system
 receives and stores the shipping label and invoice and
 displays the HTML documents in response to the
 selection of the order button. The client system sends to the
 server system a request to purchase the selected item. The
 server system receives the request and generates the per-
 purchaser information associated with the client system. The
 client system generates a label to purchase the item in
 accordance with the shipping and payment information
 whereby the purchaser effects the shipping of the product in
 selection of the order button.

In Claims, 11 Shipping Steps



Exhibit 2-6 Inventors and assignee of the Amazon one-click patent.

Riassunto

- Deve essere su un foglio separato
- Non dovrebbe essere più lungo di 150 parole
- Il suo scopo è quello di permettere all'Ufficio brevetti (sovra)nazionale (USPTO) e al pubblico di determinare attraverso una veloce lettura la natura e il nocciolo (gist) tecnico dell'invenzione
- Spesso usato nelle ricerche brevettuali
- Di solito si trova nella domanda dopo le rivendicazioni, ma compare sempre sulla prima pagina del brevetto

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**METHOD AND SYSTEM FOR PLACING A
PURCHASE ORDER VIA A
COMMUNICATIONS NETWORK**

TECHNICAL FIELD

The present invention relates to a computer method and system for placing an order and, more particularly, to a method and system for ordering items over the Internet.

BACKGROUND OF THE INVENTION

The Internet comprises a vast number of computers and computer networks that are interconnected through communication links. The interconnected computers exchange information using various services, such as electronic mail, Gopher, and the World Wide Web ("WWW"). The WWW service allows a server computer system (i.e., Web server or Web site) to send graphical Web pages of information to a remote client computer system. The remote client computer system can then display the Web pages. Each resource (e.g., computer or Web page) of the WWW is uniquely identifiable by a Uniform Resource Locator ("URL"). To view a specific Web page, a client computer system specifies the URL for that Web page in a request (e.g., a HyperText Transfer Protocol ("HTTP") request). The request is forwarded to the Web server that supports that Web page. When that Web server receives the request, it sends that Web page to the client computer system. When the client computer system receives that Web page, it typically displays the Web page using a browser. A browser is a special-purpose application program that effects the requesting of Web pages and the displaying of Web pages.

Currently, Web pages are typically defined using HyperText Markup Language ("HTML"). HTML provides a standard set of tags that define how a Web page is to be displayed. When a user indicates to the browser to display a Web page, the browser sends a request to the server computer system to transfer to the client computer system an HTML document that defines the Web page. When the requested HTML document is received by the client computer system, the browser displays the Web page as defined by the HTML document. The HTML document contains various tags that control the displaying of text, graphics, controls, and other features. The HTML document may contain URLs of other Web pages available on that server computer system or other server computer systems.

The World Wide Web is especially conducive to conducting electronic commerce. Many Web servers have been developed through which vendors can advertise and sell product. The products can include items (e.g., music) that are delivered electronically to the purchaser over the Internet and items (e.g., books) that are delivered through conventional distribution channels (e.g., a common carrier). A server computer system may provide an electronic version of a catalog that lists the items that are available. A user, who is a potential purchaser, may browse through the catalog using a browser and select various items that are to be purchased. When the user has completed selecting the items to be purchased, the server computer system then prompts the user for information to complete the ordering of the items. This purchaser-specific order information may include the purchaser's name, the purchaser's credit card number, and a shipping address for the order. The server computer system then typically confirms the order by sending a confirming Web page to the client computer system and schedules shipment of the items.

Since the purchaser-specific order information contains sensitive information (e.g., a credit card number), both

The present invention relates to a computer method and system for placing an order and, more particularly, to a method and system for ordering items over the Internet.

Exhibit 2-10 The technical field of the Amazon one-click patent.

vendors and purchasers want to ensure the security of such information. Security is a concern because information transmitted over the Internet may pass through various intermediate computer systems on its way to its final destination. The information could be intercepted by an unscrupulous person at an intermediate system. To help ensure the security of the sensitive information, various encryption techniques are used when transmitting such information between a client computer system and a server computer system. Even though such encrypted information can be intercepted, because the information is encrypted, it is generally useless to the interceptor. Nevertheless, there is always a possibility that such sensitive information may be successfully decrypted by the interceptor. Therefore, it would be desirable to minimize the sensitive information transmitted when placing an order.

The selection of the various items from the electronic catalogs is generally based on the "shopping cart" model. When the purchaser selects an item from the electronic catalog, the server computer system metaphorically adds that item to a shopping cart. When the purchaser is done selecting items, then all the items in the shopping cart are "checked out" (i.e., ordered) when the purchaser provides billing and shipment information. In some models, when a purchaser selects any one item, then that item is "checked out" by automatically prompting the user for the billing and shipment information. Although the shopping cart model is very flexible and intuitive, it has a downside in that it requires many interactions by the purchaser. For example, the purchaser selects the various items from the electronic catalog, and then indicates that the selection is complete. The purchaser is then presented with an order Web page that prompts the purchaser for the purchaser-specific order information to complete the order. That Web page may be prefilled with information that was provided by the purchaser when placing another order. The information is then validated by the server computer system, and the order is completed. Such an ordering model can be problematic for a couple of reasons. If a purchaser is ordering only one item, then the overhead of confirming the various steps of the ordering process and waiting for, viewing, and updating the purchaser-specific order information can be much more than the overhead of selecting the item itself. This overhead makes the purchase of a single item cumbersome. Also, with such an ordering model, each time an order is placed sensitive information is transmitted over the Internet. Each time the sensitive information is transmitted over the Internet, it is susceptible to being intercepted and decrypted.

SUMMARY OF THE INVENTION

An embodiment of the present invention provides a method and system for ordering an item from a client system. The client system is provided with an identifier that identifies a customer. The client system displays information that identifies the item and displays an indication of an action (e.g., a single action such as clicking a mouse button) that a purchaser is to perform to order the identified item. In response to the indicated action being performed, the client system sends to a server system the provided identifier and a request to order the identified item. The server system uses the identifier to identify additional information needed to generate an order for the item and then generates the order.

The server system receives and stores the additional information for customers using various computer systems so that the server system can generate such orders. The server system stores the received additional information in association with an identifier of the customer and provides

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**METHOD AND SYSTEM FOR PLACING A
PURCHASE ORDER VIA A
COMMUNICATIONS NETWORK**

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Background of the invention

Exhibit 2-11 Background of invention of the Amazon one-click patent.

Background o Stato dell'arte

- Definisce il problema tecnico da risolvere
- Descrive i tentativi compiuti da altri per risolvere il problema
- Spiega perchè si sente una forte necessità nei confronti dell'invenzione
- Nel Background non si discute dell'invenzione

Stato dell'arte

due scuole di pensiero

Scriverlo corto e semplice – in particolare se si prevede di depositare all'estero – questo ridurrà i costi di traduzione

VS.

Renderlo interessante e discutere alcuni o tutti i riferimenti rilevanti reperiti nella ricerca (indipendentemente dalla lunghezza) – attirare l'attenzione dell'Esaminatore e rendergli chiaro che avete fatto bene il vostro lavoro.

**METHOD AND SYSTEM FOR PLACING A
PURCHASE ORDER VIA A
COMMUNICATIONS NETWORK**

TECHNICAL FIELD

The present invention relates to a computer method and system for placing an order and, more particularly, to a method and system for ordering items over the Internet.

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Since the purchaser-specific order information contains sensitive information (e.g., a credit card number), both

vendors and purchasers want to ensure the security of such information. Security is a concern because information transmitted over the Internet may pass through various intermediate computer systems on its way to its final destination. The information could be intercepted by an unscrupulous person at an intermediate system. To help ensure the security of the sensitive information, various encryption techniques are used when transmitting such information between a client computer system and a server computer system. Even though such encrypted information can be intercepted, because the information is encrypted, it is generally useless to the interceptor. Nevertheless, there is always a possibility that such sensitive information may be successfully decrypted by the interceptor. Therefore, it would be desirable to minimize the sensitive information transmitted when placing an order.

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SUMMARY OF THE INVENTION

An embodiment of the present invention provides a method and system for ordering an item from a client system. The client system is provided with an identifier that identifies a customer. The client system displays information that identifies the item and displays an indication of an action (e.g., a single action such as clicking a mouse button) that a purchaser is to perform to order the identified item. In response to the indicated action being performed, the client system sends to a server system the provided identifier and a request to order the identified item. The server system uses the identifier to identify additional information needed to generate an order for the item and then generates the order.

The server system receives and stores the additional information for customers using various computer systems so that the server system can generate such orders. The server system stores the received additional information in association with an identifier of the customer and provides

Summary of the invention

Breve Sommario dell'Invenzione

- Riassumere l'invenzione “come rivendicata”
- Evidenziare gli scopi, le caratteristiche e i vantaggi
- Descrivere forme di realizzazione alternative
- Trucchi del mestiere del Mandatario – parafrasare rivendicazioni ampie e rimuovere il gergo legalese (“detto”, “in cui”, “per la qual cosa”, etc.)

the identifier to the client system. When requested by the client system, the server system provides information describing the item to the requesting client system. When the server system receives a request from a client system, the server system combines the additional information stored in association with the identifier included in the request to effect the ordering of the item.

BRIEF DESCRIPTION OF THE DRAWINGS

FIGS. 1A-1C illustrate single-action ordering in one embodiment of the present invention.

FIG. 2 is a block diagram illustrating an embodiment of the present invention.

FIG. 3 is a flow diagram of a routine that enables single-action ordering for a customer.

FIG. 4 is a flow diagram of a routine to generate a Web page in which single-action ordering is enabled.

FIG. 5 is a flow diagram of a routine which processes a single-action order.

FIG. 6 is a flow diagram of a routine for generating a single-action order summary Web page.

FIG. 7 is a flow diagram of a routine that implements an expedited order selection algorithm.

FIGS. 8A-8C illustrate a hierarchical data entry mechanism in one embodiment.

DETAILED DESCRIPTION OF THE INVENTION

The present invention provides a method and system for single-action ordering of items in a client/server environment. The single-action ordering system of the present invention reduces the number of purchaser interactions needed to place an order and reduces the amount of sensitive information that is transmitted between a client system and a server system. In one embodiment, the server system assigns a unique client identifier to each client system. The server system also stores purchaser-specific order information for various potential purchasers. The purchaser-specific order information may have been collected from a previous order placed by the purchaser. The server system maps each client identifier to a purchaser that may use that client system to place an order. The server system may map the client identifiers to the purchaser who last placed an order using that client system. When a purchaser wants to place an order, the purchaser uses a client system to send the request for information describing the item to be ordered along with its client identifier. The server system determines whether the client identifier for that client system is mapped to a purchaser. If so mapped, the server system determines whether single-action ordering is enabled for that purchaser at that client system. If enabled, the server system sends the requested information (e.g., via a Web page) to the client computer system along with an indication of the single action to perform to place the order for the item. When single-action ordering is enabled, the purchaser need only perform a single action (e.g., click a mouse button) to order the item. When the purchaser performs that single action, the client system notifies the server system. The server system then completes the order by adding the purchaser-specific order information for the purchaser that is mapped to that client identifier to the item order information (e.g., product identifier and quantity). Thus, once the description of an item is displayed, the purchaser need only take a single action to place the order to purchase that item. Also, since the client identifier identifies purchaser-specific order infor-

mation already stored at the server system, there is no need for such sensitive information to be transmitted via the Internet or other communications medium.

FIGS. 1A-1C illustrate single-action ordering in one embodiment of the present invention. FIG. 1A illustrates the display of a Web page describing an item that may be ordered. This example Web page was sent from the server system to the client system when the purchaser requested to review detailed information about the item. This example Web page contains a summary description section 101, a shopping cart section 102, a single-action ordering section 103, and a detailed description section 104. One skilled in the art would appreciate that these various sections can be omitted or rearranged or adapted in various ways. In general, the purchaser need only be aware of the item or items to be ordered by the single action and of the single action needed to place the order. The summary description and the detailed description sections provide information that identifies and describes the item(s) that may be ordered. The shopping cart section provides the conventional capability to add the described item to a shopping cart. The server system adds the summary description, the detailed description, and the shopping cart sections to each Web page for an item that may be ordered. The server system, however, only adds the single-action ordering section when single-action ordering is enabled for that purchaser at that client system. (One skilled in the art would appreciate that a single Web page on the server system may contain all these sections but the single-action ordering section can be selectively included or excluded before sending the Web page to the client system.)

This example single-action ordering section allows the purchaser to specify with a single click of a mouse button to order the described item. Once the purchaser clicks the mouse button, the item is ordered, unless the purchaser then takes some action to modify the order. The single-action ordering section contains a single-action ordering button 103a, purchaser identification subsection 103b, and single-action ordering information subsections 103c and 103d. The purchaser information subsection displays enough information so that the purchaser can verify that the server system correctly recognizes the purchaser. To reduce the chances of sensitive information being intercepted, the server system sends only enough information so that the purchaser is confident that the server system correctly identified the purchaser but yet not enough information to be useful to an unscrupulous interceptor. The additional information subsections allow the purchaser to obtain various settings or obtain more information related to the single-action ordering. If the purchaser wants to verify the shipping address, the purchaser can select the "check shipping address" label. In response to this selection, the server system may require the purchaser to perform a "login" so that the identity of the purchaser can be verified before the shipping information is viewed or modified. The server system then sends a Web page to the client system for display and possible modification of the shipping address. In this way, the transmitting of the sensitive shipping address can be avoided unless requested by the verified purchaser.

When the purchaser selects the single-action ordering button, the client system sends a message to the server system requesting that the displayed item be ordered. After the server system processes the message, the server system provides to the client system a new Web page that confirms receipt of the single-action order. FIG. 1B illustrates the display of a Web page confirming a single-action order. The confirming Web page contains essentially the same information as the Web page describing the item (i.e., FIG. 1A)

Brief description of the drawings

Detailed description

Breve Descrizione dei Disegni (figure)

- “Breve” significa “Breve” – utile ad aiutare il lettore a capire l’invenzione.
- Prospettiva, vista frontale, vista superiore, vista posteriore, vista in sezione, vista delle singole parti
- L’Uff. Brevetto USA preferisce i numeri di riferimento rispetto alle lettere

Disegni / Figure

Requisiti

Mostrare ogni caratteristica dell'invenzione specificata nelle rivendicazioni

U.S. Patent Sep. 28, 1999 Sheet 5 of 11 5,960,411

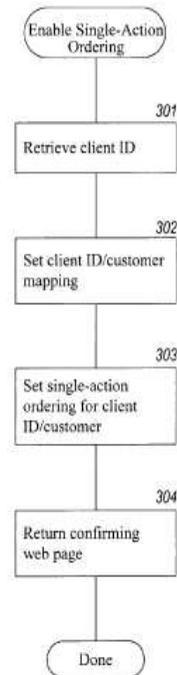
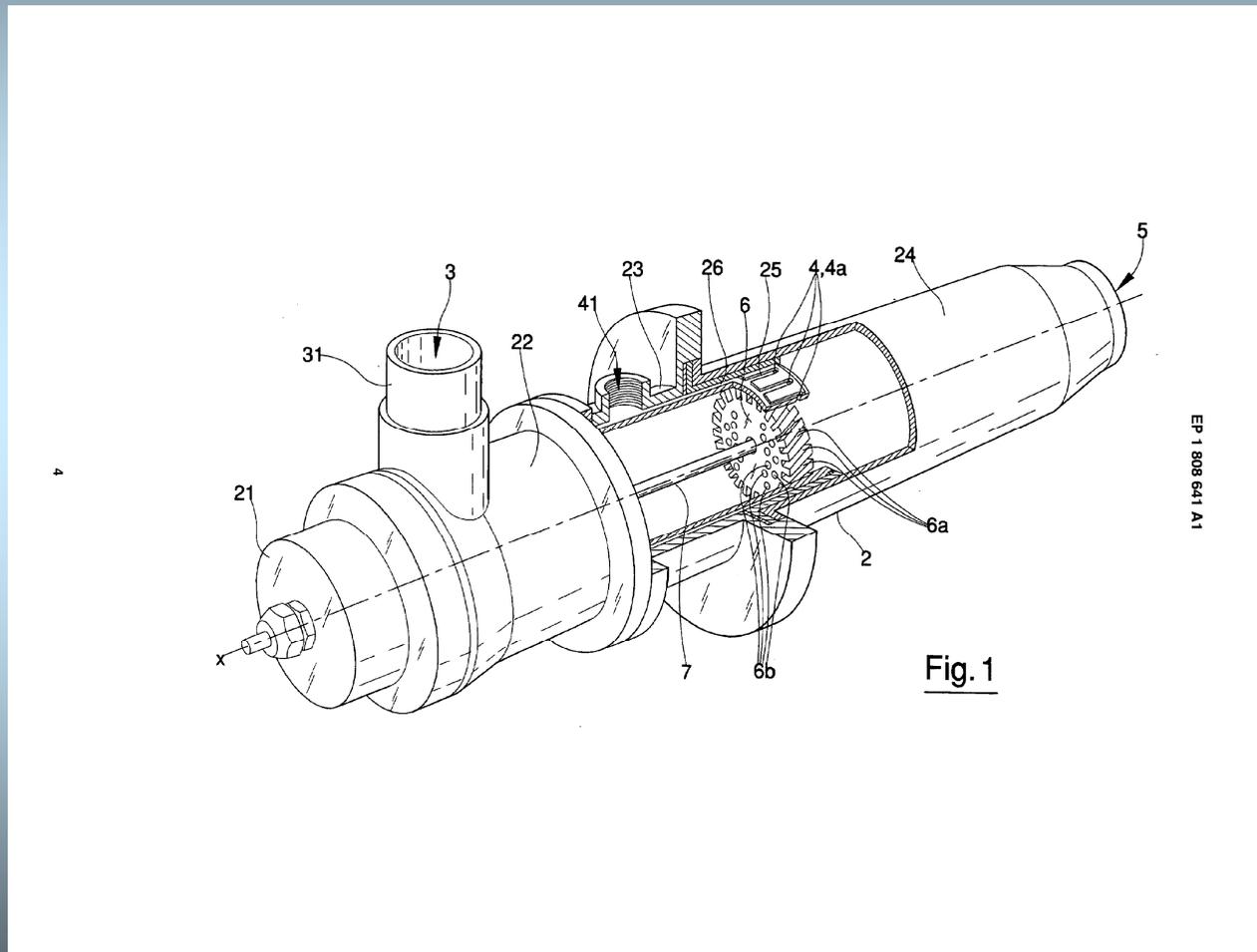


Fig. 3

Disegni / Figure



Descrizione Dettagliata dell'Invenzione

- **Descrizione Dettagliata dell'Invenzione – quanto deve essere completa?**
 - Deve essere scritta in termini così completi, chiari, concisi e precisi da permettere a qualsiasi esperto del ramo sia di riprodurre sia di utilizzare l'invenzione
 - Deve definire precisamente l'invenzione che è rivendicata in modo tale da distinguerla dall'arte nota
 - Deve descrivere in modo completo una forma di realizzazione specifica
 - Deve descrivere il miglior modo per realizzare l'invenzione (USA)

Although the algorithm has been described as having two stages, it could be implemented in an incremental fashion where the assessment of the first and second stages are redone after each order is scheduled. One skilled in the art would recognize that there are other possible combinations of these stages which still express the same essential algorithm.

FIGS. 8A-8C illustrate a hierarchical data entry mechanism in one embodiment. When collecting information from a user, a Web page typically consists of a long series of data entry fields that may not all fit onto the display at the same time. Thus, a user needs to scroll through the Web page to enter the information. When the data entry fields do not fit onto the display at the same time, it is difficult for the user to get an overall understanding of the type and organization of the data to be entered. The hierarchical data entry mechanism allows a user to understand the overall organization of the data to be entered even though the all data entry fields would not fit onto the display at the same time. FIG. 8A illustrates an outline format of a sample form to be filled in. The sample form contains various sections identified by letters A, B, C, and D. When the user selects the start button, then section A expands to include the data entry fields for the customer name and address. FIG. 8B illustrates the expansion of section A. Since only section A has been expanded, the user can view the data entry fields of section A and summary information of the other sections at the same time. The user then enters data in the various data entry fields that are displayed. Upon completion, the user selects either the next or previous buttons. The next button causes section A to be collapsed and section B to be expanded so that financial information may be entered. FIG. 8C illustrates the expansion of section B. If the previous button is selected, then section A would collapse and be displayed as shown in FIG. 8A. This collapsing and expanding is repeated for each section. At any time during the data entry, if an error is detected, then a Web page is generated with the error message in close proximity (e.g., on the line below) to the data entry field that contains the error. This Web page is then displayed by the client system to inform the user of the error. In addition, each of the data "entry" fields may not be editable until the user clicks on the data entry field or selects an edit button associated with the data entry field. In this way, the user is prevented from inadvertently changing the contents of an edit field. When the user clicks on a data entry field, a new Web page is presented to the user that allows for the editing of the data associated with the field. When editing is complete, the edited data is displayed in the data "entry" field. Because the fields of the form are thus not directly editable, neither "named-submit" buttons nor Java are needed. Also, the form is more compact because the various data entry options (e.g., radio button) are displayed only on the new Web page when the field is to be edited.

Although the present invention has been described in terms of various embodiments, it is not intended that the invention be limited to these embodiments. Modification within the spirit of the invention will be apparent to those skilled in the art. For example, the server system can map a client identifier to multiple customers who have recently used the client system. The server system can then allow the user to identify themselves by selecting one of the mappings based preferably on a display of partial purchaser-specific order information. Also, various different single actions can be used to effect the placement of an order. For example, a voice command may be spoken by the purchaser, a key may be depressed by the purchaser, a button on a television remote control device may be depressed by the purchaser, or

selection using any pointing device may be effected by the purchaser. Although a single action may be preceded by multiple physical movements of the purchaser (e.g., moving a mouse so that a mouse pointer is over a button), the single action generally refers to a single event received by a client system that indicates to place the order. Finally, the purchaser can be alternately identified by a unique customer identifier that is provided by the customer when the customer initiates access to the server system and sent to the server system with each message. This customer identifier could be also stored persistently on the client system so that the purchaser does not need to re-enter their customer identifier each time access is initiated. The scope of the present invention is defined by the claims that follow.

We claim:

1. A method of placing an order for an item comprising:
 - under control of a client system,
 - displaying information identifying the item; and
 - in response to only a single action being performed, sending a request to order the item along with an identifier of a purchaser of the item to a server system;
 - under control of a single-action ordering component of the server system,
 - receiving the request;
 - retrieving additional information previously stored for the purchaser identified by the identifier in the received request; and
 - generating an order to purchase the requested item for the purchaser identified by the identifier in the received request using the retrieved additional information; and
 - fulfilling the generated order to complete purchase of the item
 - whereby the item is ordered without using a shopping cart ordering model.
2. The method of claim 1 wherein the displaying of information includes displaying information indicating the single action.
3. The method of claim 1 wherein the single action is clicking a button.
4. The method of claim 1 wherein the single action is speaking of a sound.
5. The method of claim 1 wherein a user of the client system does not need to explicitly identify themselves when placing an order.
6. A client system for ordering an item comprising:
 - an identifier that identifies a customer;
 - a display component for displaying information identifying the item;
 - a single-action ordering component that in response to performance of only a single action, sends a request to a server system to order the identified item, the request including the identifier so that the server system can locate additional information needed to complete the order and so that the server system can fulfill the generated order to complete purchase of the item; and
 - a shopping cart ordering component that in response to performance of an add-to-shopping-cart action, sends a request to the server system to add the item to a shopping cart.
7. The client system of claim 6 wherein the display component is a browser.
8. The client system of claim 6 wherein the predefined action is the clicking of a mouse button.
9. A server system for generating an order comprising:
 - a shopping cart ordering component; and

Claim

Rivendicazione(i)

- La parte più importante del brevetto
- Definisce gli scopi e i confini dei diritti di proprietà intellettuale

Tipi di Rivendicazioni

- Dispositivo, composizioni, manufatto, metodo/processo, miglioramento
- Indipendente – sta in piedi da sola
- Dipendente – dipende da un'altra rivendicazione e ne include tutte le limitazioni
- Dipendenze multiple – dipende da più di una rivendicazione

Anatomia della Rivedicazione

- Preambolo – frase di transizione (comprendente/consistente) – elementi
- “Comprendente” significa: gli elementi seguenti e forse anche altri
- “Consistente” significa: gli elementi seguenti e solo quelli

Scopo della Rivendicazione

- Una rivendicazione ampia dovrebbe includere il minor numero possibile di elementi per definire un'invenzione che è nuova e che non era ovvia per una persona avente una conoscenza ordinaria dello stato dell'arte al quale appartiene l'invenzione al momento in cui essa è stata fatta.

Scopo delle Rivendicazioni Dipendenti

- Andare in profondità nei dettagli in modo tale da avere modo di recuperare delle limitazioni che possono essere utili nel corso dell'esame di merito della domanda di brevetto (prosecution)



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 07 7318

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 06 07 7318

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 462 716 A (RIELLO S P A [IT]) 29 September 2004 (2004-09-29) * paragraph [0016] - paragraph [0023] * * paragraph [0037] - paragraph [0041]; figures 3,5 *	1-3,5	INV. F23D14/24
A	WO 2004/071637 A (ALSTOM TECHNOLOGY LTD [CH]; CARRONI RICHARD [CH]; GRIFFIN TIMOTHY [CH]) 26 August 2004 (2004-08-26) * page 3, line 17 - page 5, line 7; figure 1 *	1	
A	US 5 562 438 A (GORDON MICHAEL W [US] ET AL) 8 October 1996 (1996-10-08) * column 2, line 42 - column 3, line 67; figures 2,3 *	1	
A	EP 0 117 029 A1 (W B COMBUSTION LTD [GB]) 29 August 1984 (1984-08-29) * page 5, line 28 - page 9, line 31; figures 1-3 *	1	
A	DE 198 60 636 A1 (RUHRGAS AG [DE]) 6 July 2000 (2000-07-06) * column 1, line 55 - column 2, line 19; figure *	1	F23D F23C
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 April 2007	Examiner Theis, Gilbert
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</p>			

EPC FORM 1520 (01/02) (P/AC/01)

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

17-04-2007

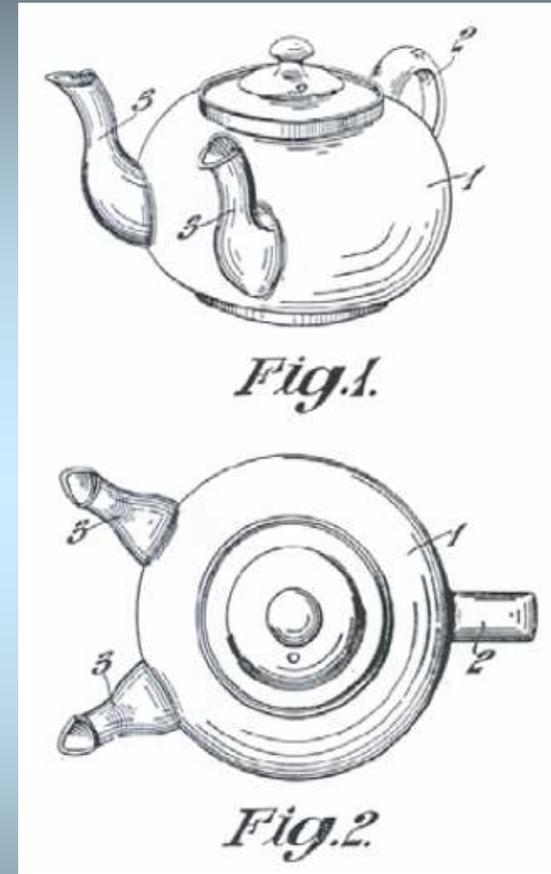
Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1462716	A	29-09-2004	NONE
WO 2004071637	A	26-08-2004	EP 1592495 A1 09-11-2005 GB 2398375 A 18-08-2004 US 2006035183 A1 16-02-2006
US 5562438	A	08-10-1996	NONE
EP 0117029	A1	29-08-1984	CA 1239865 A1 02-08-1988 DE 3461951 D1 12-02-1987
DE 19860636	A1	06-07-2000	NONE

EPC FORM 1544B

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

Struttura della descrizione

- Prior art (arte nota)
- *Teapot with one spout*
- *(teiera con un beccuccio)*
- Drawback of prior art Svantaggi dell'arte nota)
 - *Time-consuming*
 - *(perdita di tempo)*
- Problem to solve (problema da risolvere)
 - *Reduce filling time*
 - *(ridurre il tempo di riempimento)*
- Solution (soluzione)
 - *Provide a second spout*
 - *(fornire un secondo beccuccio)*
- Advantage of the invention (vantaggio dell'invenzione)
 - *The time needed to fill multiple cups is reduced (si riduce il tempo necessario per riempire più tazze)*



Il parte

Il “brevettese”

O

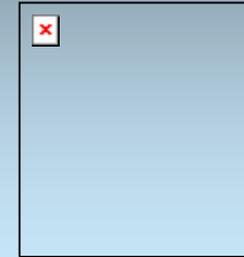
“patentesese”

Un brevetto è scritto per essere difeso in tribunale e non per essere ricercato

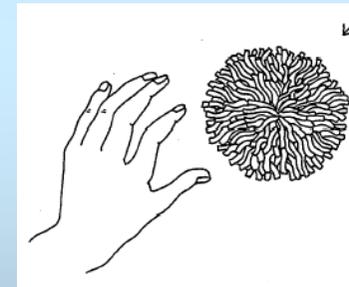
Gergo dei Brevetti

a plurality of balls = ball bearing

Una pluralità di palle = cuscinetto



**spherical object
with floppy filaments
to promote sure capture** = toy ball

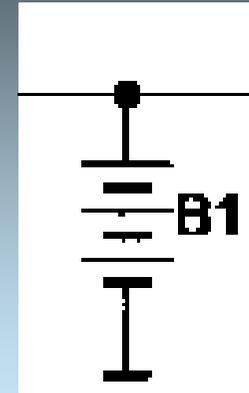


Oggetto sferico con filamenti flosci per facilitarne la presa
= palla giocattolo

Gergo dei Brevetti in elettronica

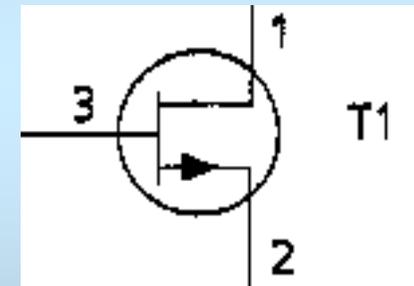
electrical power source for electronic circuits = battery

Sorgente di energia elettrica per circuiti elettronici = batteria



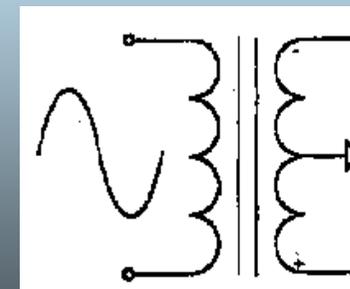
semiconductor switching device with a control electrode = transistor

Interruttore a semiconduttore con elettrodo di controllo



galvanically isolated electrical coupling means = transformer

Mezzi di accoppiamento elettrico galvanicamente isolati = trasformatore



Gergo dei Brevetti in elettronica

photo-transmitting
device

= LED (light-emitting diode)

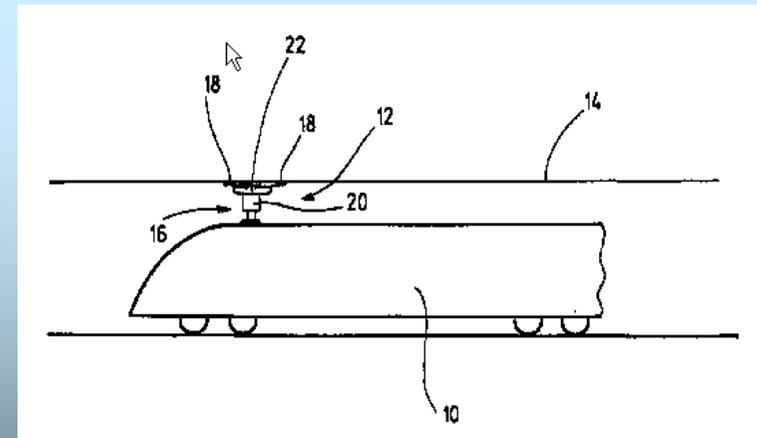


Dispositivo foto-
trasmettitore

= LED (diodo a emissione di
luce)

arrangement for
tapping power from
an electrical cable

= current
collector



Arrangiamento per
canalizzare l'energia
elettrica da un cavo
elettrico

= collettore di
corrente

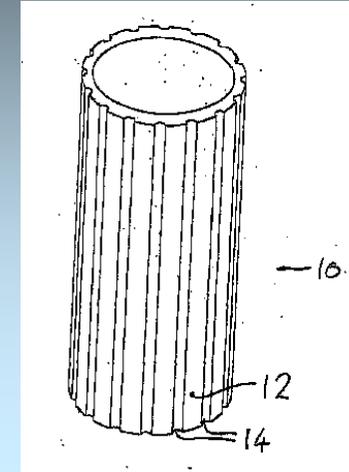
Gergo dei Brevetti in tecnologia generale

elongate member

= pipe, riser, cable
or optical fibre

Elemento allungato

= tubo, cavo
o fibra ottica

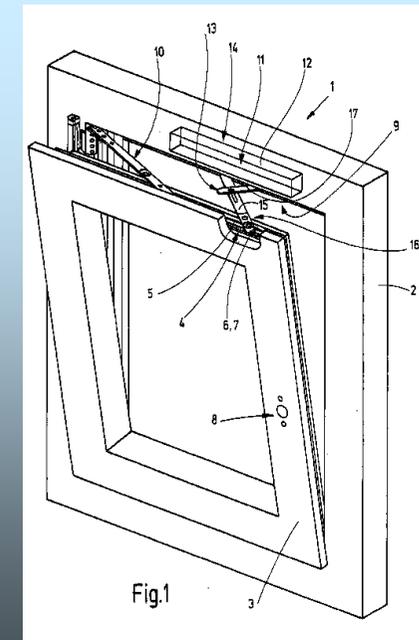


Wing

= door or window

Ala

= porta o finestra



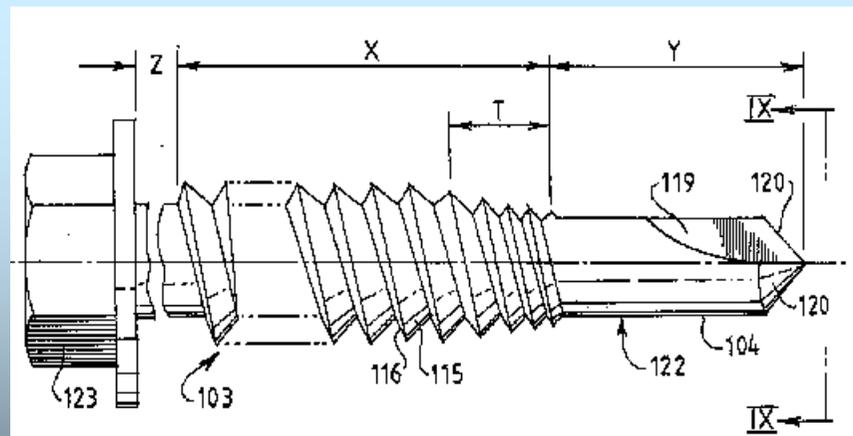
Gergo dei Brevetti in tecnologia generale

fastening means

= nail, screw or rivet, etc.

Dispositivo di fissaggio

= chiodo, vite o rivetto, etc.



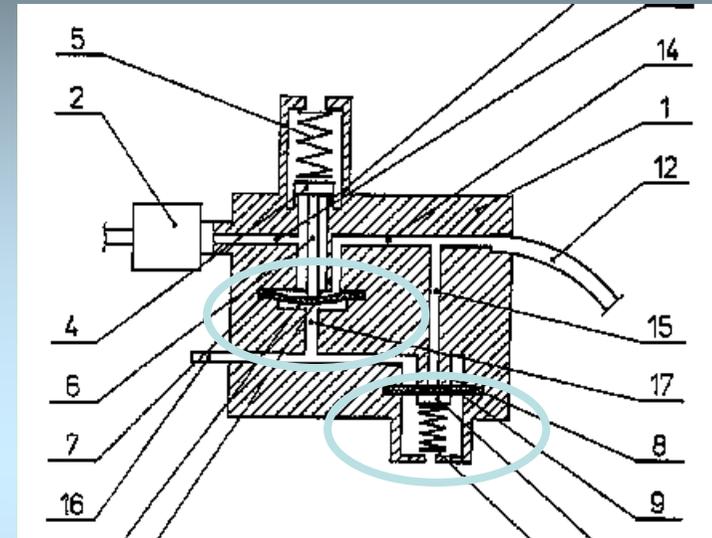
Gergo dei Brevetti in tecnologia generale

a flexible member

= membrane or diaphragm

Elemento flessibile

= membrana o diaframma

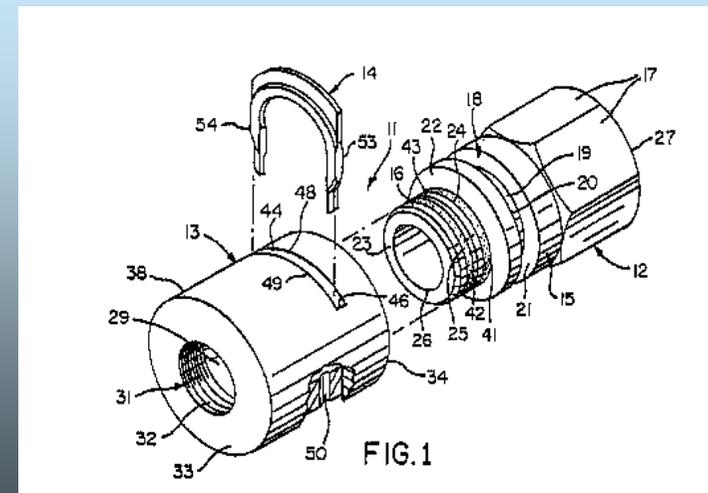


locking means

= U-shaped retainer, etc.

Dispositivo di bloccaggio

= fermo a U, etc.



Gergo dei Brevetti in chimica

1. Superficie idro- e oleo-repellente
2. Polimero idro-solubile o idro-disperdibile
3. superassorbente
4. (co)polimero stirenico espanso
5. poliisoprene
6. Ionomero
7. copolimero ramificato di monomeri vinilici aromatici su gomma butadienica
8. Poliesteri aromatico

1. **Teflon®**
 - **acido poliacrilico (sale) o alcol polivinilico**
 - **gel di acido poliacrilico (sale)**
 - **Schiuma di polistirene; Styrofoam®**
 - **Gomma naturale**
 - **Copolimero di etilene e sali di acido acrilico**
 - **ABS (la plastica con cui sono fatti I mattoncini LEGO)**
 - **PET (polietilen-tereftalato)**

Gergo dei Brevetti in chimica

- Una composizione **comprendente** A, B e C
= una miscela di almeno A, B e C, e possibilmente altri componenti
Esempio: Una composizione **comprendente** una soluzione di acido lattico in alcol/acqua
→ **Vino!**
- Una composizione **costituita da** A, B e C
= una miscela in cui sono presenti solo A, B e C
Esempio: Una composizione **costituita da** una soluzione di acido lattico in alcol/acqua
→ **Il vino è ora escluso, poichè comprende molti più prodotti rispetto ai soli acido lattico, acqua e alcol.**
- Una composizione **costituita essenzialmente da** A, B, e C
= una miscela di A, B e C che può includere ulteriori componenti ammesso che essi non influenzino negativamente l'effetto dell'invenzione
Esempio: Una composizione **costituita essenzialmente da** una soluzione di acido lattico in alcol/acqua
→ **Il vino potrebbe essere incluso se i componenti rimanenti nel vino non impediscono di ottenere l'effetto dell'invenzione.**

Gergo dei Brevetti in chimica/farmaceutica

Una composizione **comprendente** acqua e glicerolo

"comprendente" = possono essere presenti ulteriori ingredienti

"contenente" = possono essere presenti ulteriori ingredienti

"costituita da" = sono presenti solo gli ingredienti elencati

III parte

Le fonti dell'informazione brevettuale

**80% delle informazioni nei brevetti non disponibili altrove
70% delle società investono in R&S per tecnologie già
protette da brevetti altrui**

Perché effettuare la ricerca?

- Mantenersi al passo con la tecnologia
- Evitare di violare brevetti altrui
- Comprendere lo scenario competitivo

25% degli sforzi in R&S ...

- ... sono vani ogni anno per invenzioni che sono state già inventate.
- **NON cominciate la vostra attività di R&S senza aver fatto una ricerca!**

GB-A-2365393

(12) UK Patent Application (19) GB (11) 2 365 393 (13) A
(43) Date of A Publication 20.02.2002

(21) Application No 0019361.5

(22) Date of Filing 07.08.2000

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(51) INT CL⁷
B64C 25/40

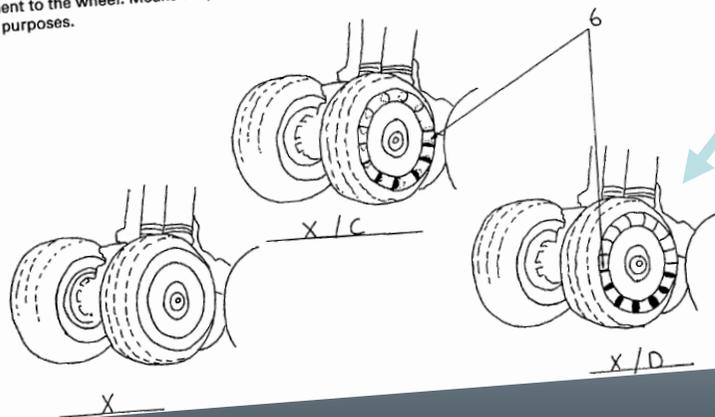
(52) UK CL (Edition T)
B7G G8H

(56) Documents Cited
GB 2242401 A
GB 2334925 A
GB 2080217 A
GB 2193932 A
GB 0516738 A
GB 1407358 A
US 4040582 A
US 3233849 A

(58) Field of Search
UK CL (Edition R) B7G
INT CL⁷ B64C 25/40

(54) Abstract Title
Rotating aircraft wheels prior to landing

(57) An aircraft tyre or wheel is provided with pockets or ridges 6, which catch the airflow past the wheel and cause the wheel to rotate. The pockets/ridges may be formed in the tyre or an additional member for attachment to the wheel. Means may be provided for diverting air from a pocket into the wheel assembly for cooling purposes.



US-A-1833019

Nov. 24, 1951

J. A. FAUCHER ET AL
AIRPLANE TIRE
Filed Nov. 1, 1929

1,833,019

Fig. 1.

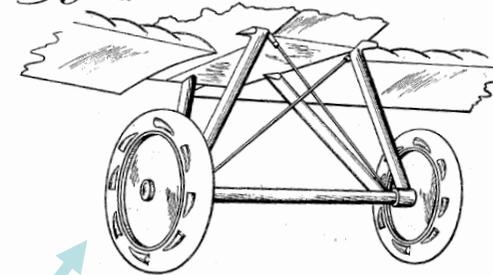


Fig. 2.

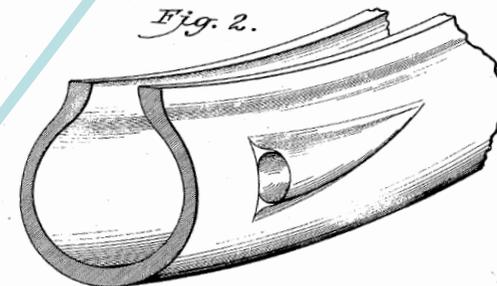
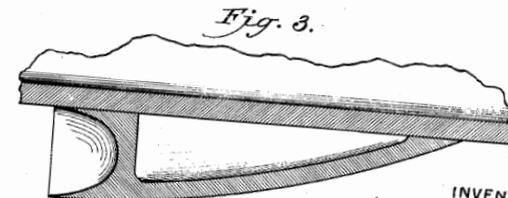


Fig. 3.



INVENTORS
Joseph A. Faucher
Eric P. Halliburton
BY
Walker, Pipes
ATTORNEY

DOVE TROVARE l'informazione tecnico/brevettuale

Banche dati brevettuali

Le banche dati possono essere:

specifiche se contengono solo dati relativi ai brevetti;

miste se contengono dati di articoli e brevetti

Una banca dati "ideale" dovrebbe contenere tutte le domande, i brevetti concessi, nonché i modelli d'utilità di tutti gli uffici brevetti nazionali ed internazionali. Dovrebbero, inoltre, essere disponibili i dati bibliografici, il testo completo ed i disegni, nonché lo stato legale per ciascun brevetto.

I brevetti dovrebbero essere tradotti in un'unica lingua, in modo da facilitare la ricerca e la valutazione di ciò che realmente fa parte dello stato della tecnica.

Banche dati brevettuali

Fonti professionali a pagamento

Derwent, Micropatent, Delphion, QPAT, ecc...

- **Valore aggiunto:** titoli e riassunti riscritti e più ricchi di contenuti, conseguente aumento del reperimento e maggior precisione dei risultati, famiglie brevettuali che danno un'idea della protezione geografica dell'invenzione - strutture chimiche; sequenze nucleotidiche
- **Copertura:** tecnologica => tutte le aree tecnico-scientifiche, temporale => cambia a seconda del settore (farmaceutica 1963, chimica 1970, meccanica-elettronica 1974)

Banche dati pubbliche gratuite

EP Espacenet (Epoline),

WIPO Patentscope (file history completa)

USA USPTO (PAIR), **IT** UIBM, ecc...

- **Cina** => SIPO

- **Giappone** => JPDL

- **Korea** => KIPO (Traduzione dei brevetti a pagamento)

- Altri Stati

- GooglePatents

Organizzazione e catalogazione dei brevetti

- ad ogni settore tecnologico corrisponde un simbolo di classificazione
- Sistema gerarchico (sezioni, classi, sottoclassi, gruppi)
- Aggiornamenti regolari

La **Classificazione Cooperativa per i Brevetti (CPC)** è una estensione della IPC ed è gestita congiuntamente dagli Uffici Brevetti EPO ed USA. Essa è suddivisa in nove sezioni, A-H ed Y, che sono a loro volta suddivise in classi, sotto-classi, gruppi e sotto-gruppi. Ci sono approssimativamente 250 000 voci classificate.

Classificazione Cooperativa per i Brevetti (CPC)

Nove sezioni CPC

A Necessità umane

B Esecuzione di operazioni; trasporti

C Chimica; metallurgia

D Tessuti; carta

E Costruzioni fisse

F Ingegneria meccanica; illuminazione; riscaldamento; armi; macchine pulitrici o pompe

G Fisica

H Elettricità

Y Nuove tecnologie

Classe [due numeri] (C01chimica inorganica)

Sottoclasse [lettera] (C01B elementi non-metallici, relativi composti)

Gruppo [tre numeri] (C01B003 idrogeno, idruri, acqua, sintesi di gas da idrocarburi)

Sottogruppo (Barra "/" [quattro numeri]) (C01B003/02 produzione di idrogeno o di miscele gassose contenenti idrogeno)



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- Advanced search
- Classification search**

Quick help ▾

- [What is the Cooperative Patent Classification system?](#)
- [How do I enter classification symbols?](#)
- [What do the different buttons mean?](#)
- [Can I retrieve a classification using keywords?](#)
- [Can I start a new search using the classifications listed?](#)
- [Where can I view the description of a particular CPC class?](#)
- [What is the meaning of the stars in front of the classifications found?](#)
- [What does the text in brackets mean?](#)

Selected classifications
nothing selected

Cooperative Patent Classification

Search for Search View section **Index** A B C D E F G H Y

◀ ▶ ⌂ ⌕ ⓘ CPC ⌂ [...] 2000 « C01B C01B4/00 »

Symbol	Classification and description
<input type="checkbox"/> C	CHEMISTRY; METALLURGY [S] ⓘ

Chemistry

<input type="checkbox"/> C01	INORGANIC CHEMISTRY (processing powders of inorganic compounds preparatory to the manufacturing of ceramic products C04B 35/00 ; fermentation or enzyme-using processes for the preparation of elements or inorganic compounds except carbon dioxide C12P 3/00 ; obtaining metal compounds from mixtures, e.g. ores, which are intermediate compounds in a metallurgical process for obtaining a free metal C21B, C22B; production of non-metallic elements or inorganic compounds by electrolysis or electrophoresis C25B) [i]
<input type="checkbox"/> C01B	NON-METALLIC ELEMENTS; COMPOUNDS THEREOF; { METALLOIDS OR COMPOUNDS THEREOF NOT COVERED BY SUBCLASS C01C} [S] ⓘ [!]

Hydrogen; Hydrides; Water; Synthesis gas from hydrocarbons

<input type="checkbox"/> C01B 3/00	Hydrogen; Gaseous mixtures containing hydrogen; Separation of hydrogen from mixtures containing it (separation of gases by physical means B01D); Purification of hydrogen (production of water gas or synthesis gas from solid carbonaceous material C10J; purifying or modifying the chemical compositions of combustible technical gases containing carbon monoxide C10K) [i]
------------------------------------	--

Strategie e Procedure di ricerca

- **Ricerca nei dati anagrafici** (titolare inventore, date, numero di domanda e di concessione)
- **Ricerca per classificazione** (e suoi limiti) selezionare una o più classi corrispondenti all'invenzione in esame;
- **Ricerca per parole chiave** individuare un set di parole chiave (e sinonimi); es. nome commerciale, chimico, ecc...
- **Ricerca per struttura** (solo su banche dati a pagamento)

parole chiave o classificazione?

Per le ricerche più semplici può bastare una combinazione di parole chiave.

RICORDARE che:

**Un brevetto è scritto per essere difeso in tribunale
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Le parole chiave sono spesso inadeguate a causa delle traduzioni dalla lingua originale (sinonimi nelle varie lingue), della mancanza del testo completo (full-text) e della presenza dell'informazione da ricercare sotto forma di formule chimiche o disegni

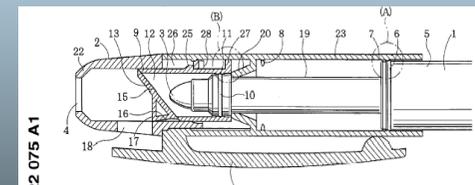
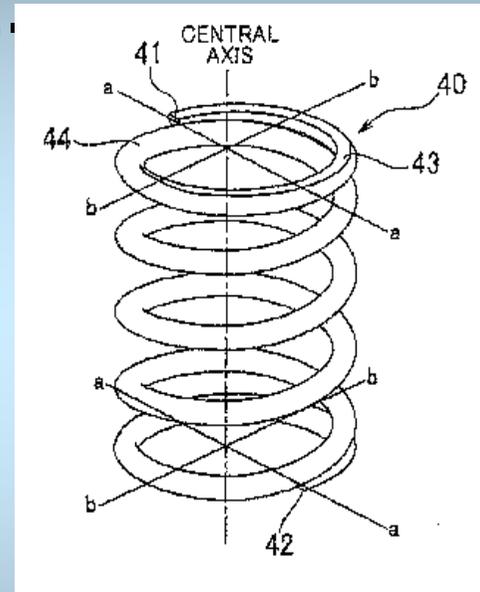
Ricerche per parole chiave

Attenti alle ricerche con parole chiave "naïve"
come ..

~~Molla~~

"Energy storing means"
"dispositivo per immagazzinare energia"

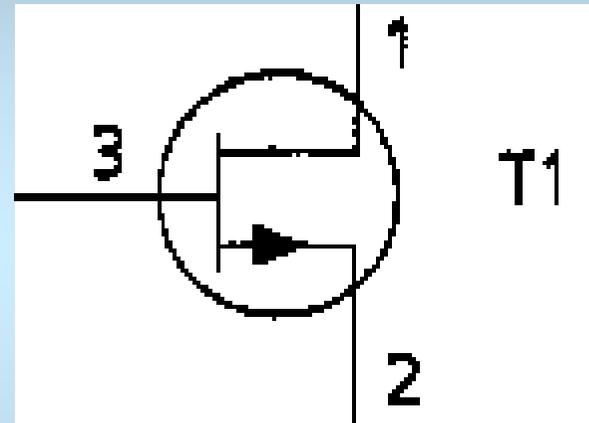
"writing instrument"
"strumento di scrittura" = penna



Questo tipo di “gergo” è spesso usato per allargare lo scopo del brevetto ...

~~Transistor~~

**“Semiconductor switching device with a control electrode”
“Interruttore a semiconduttore con elettrodo di controllo”**



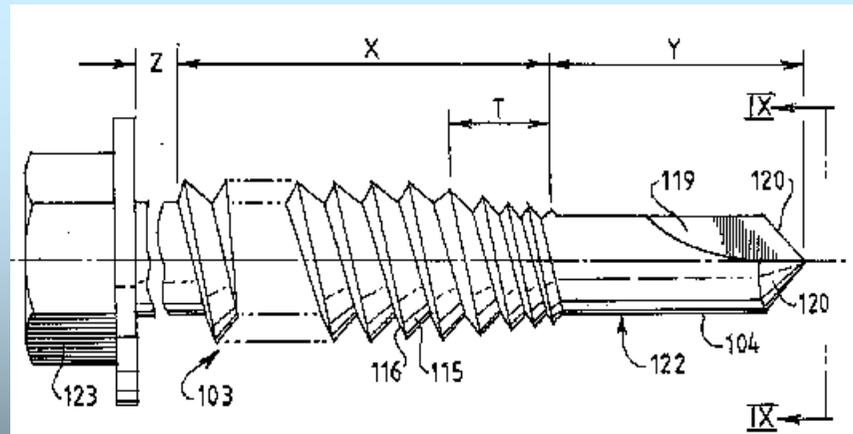
Questo tipo di “gergo” è spesso usato per allargare lo scopo del brevetto ...

fastening means

= nail, screw or rivet, etc.

Dispositivo di fissaggio

= chiodo, vite o rivetto, etc.

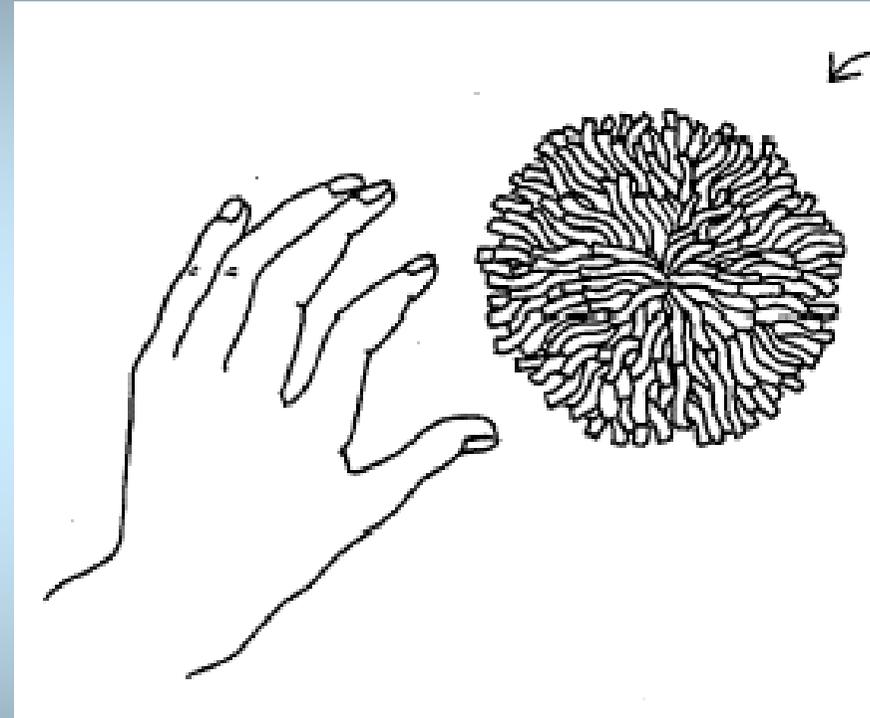


A volte il titolare vuole semplicemente che il suo brevetto non venga trovato ...

~~Palla da gioco~~

"Spherical object with floppy filaments"

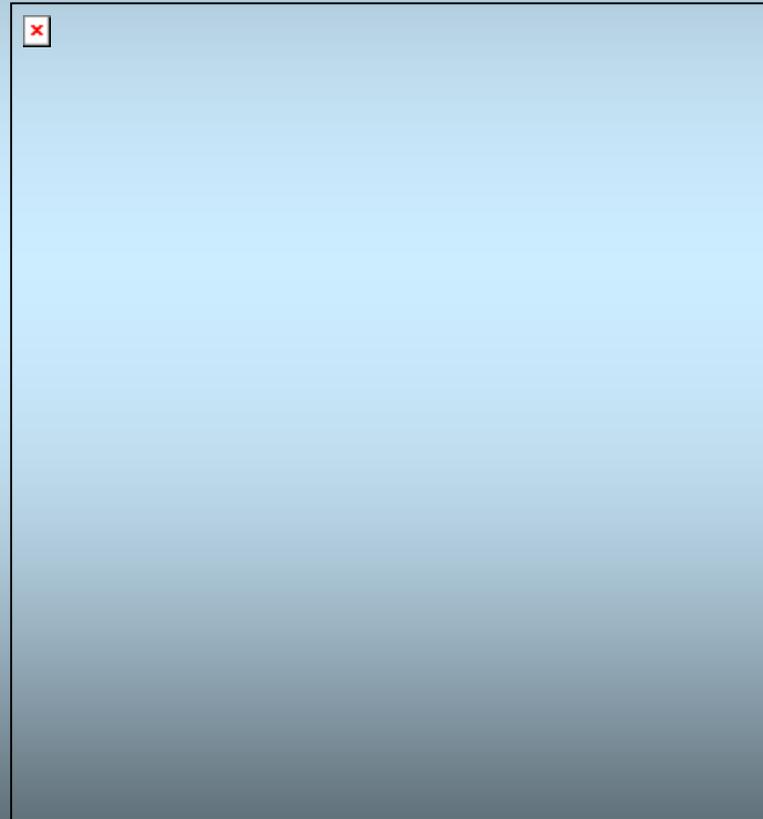
"oggetto sferico con filamneti flosci"



A volte il titolare vuole semplicemente che il suo brevetto non venga trovato ...

~~Cuscinetto~~

"A plurality of balls"
"una pluralità di sfere"





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Application number: DE19971031696

Priority number: WO1995US15925

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Applicant(s): Institut Pasteur

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1. **Mobile air cleaning unit and distribution system**

★ **Inventor:** CERMAK RADIM [CZ]
RYSKA ANTONIN [CZ]
(+3) **Applicant:** THERMO KING CORP [US]

EC: [B60H1/00H2](#)
[B60H3/06A](#)
(+1) **IPC:** B60H1/00
B60H3/06
B61D27/00 **Publication info:** [EP2279885 \(A1\)](#)
2011-02-02 **Priority date:** 2009-07-30

2. **Air treatment unit for a transport vehicle and corresponding control method**

★ **Inventor:** BELKOUCHE YAZID
YANISS [FR] **Applicant:** IVECO FRANCE S A [FR]

EC: [B60H1/00H2](#)
[B60H1/00Y6A3B](#)
(+1) **IPC:** B60H1/00
B60H1/24 **Publication info:** [EP2202106 \(A1\)](#)
2010-06-30 **Priority date:** 2008-12-24

3. **VEHICLE ROOFTOP ENGINE COOLING SYSTEM AND METHOD**

★ **Inventor:** FOLLETTE DAVID [US]
STONE KEVIN [US] **Applicant:** ISE CORP [US]

EC: [B60H1/00H2](#)
[B60H1/00H4](#)
(+1) **IPC:** B60H1/00
B60K11/04
F01P7/16 **Publication info:** [EP2212143 \(A1\)](#)
2010-08-04 **Priority date:** 2007-10-31

4. **Air-handling device**

★ **Inventor:** MANNERHEIM
FREDRIK [SE]
SPEHAR STEFAN [SE]
(+1) **Applicant:** MCCII HOLDINGS AB [SE]

EC: [B60H1/00H2](#)
[B60H1/00S2A](#)
(+1) **IPC:** B60H1/00

Publication info: [EP2050599 \(A1\)](#)
2009-04-22 **Priority date:** 2007-10-16

5. **Air conditioning device for a transport vehicle and a corresponding transport vehicle**

★ **Inventor:** BELKOUCHE YAZID
YANISS [FR] **Applicant:** IVECO FRANCE S A [FR]

EC: [B60H1/00H2](#)
[B60H1/32A](#) **IPC:** B60H1/32

Publication info: [EP2147812 \(A1\)](#)
2010-01-27 **Priority date:** 2008-07-24

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 14 December 2000 (14.12.2000)

PCT

(16) International Publication Number WO 00/74712 A2

(51) International Patent Classification: A61K 38/46, A23L 1/29, A61P 1/00, 1/06, 2/00, 3/00

(21) International Application Number: PCT/IT00/00230

(22) International Filing Date: 7 June 2000 (07.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: RM99A000376 9 June 1999 (09.06.1999) IT

(71) Applicant (for all designated States except US): MENDES S.R.L. UNIPERSONALE (PRENDE S.R.L.s.) (IT/IT); Via Nuoro, 12, I-10040 Ardea (IT).

(72) Inventor; and (75) Inventor/Applicant (for US only): DE SIMONE, Claudio (IT/IT); Via Nuoro, 12, I-10040 Ardea (IT).

(74) Agents: CAVATTONI, Fabio et al.; Cavattoni - Raimondi, Viale dei Parioli, 160, I-00197 Roma (IT).

(81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, EG, ES, FI, GB, GR, GD, GE, GM, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ND, NZ, NL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TH, TM, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG).

Published: Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 00/74712 A2

(54) Title: COMPOSITION COMPRISING ALKALINE SPHINGOMYELINASE FOR USE AS A DIETETIC PREPARATION, FOOD SUPPLEMENT OR PHARMACEUTICAL PRODUCT

(57) Abstract: The invention relates to a composition which, depending on the user, may be taken as a nutritional, dietetic or strictly therapeutic preparation, comprising as its active substance alkaline sphingomyelinase which is capable of preventing or treating various pathological conditions including cancerous processes, inflammatory processes of the intestine, hypercholesterolemia and infections with Helicobacter pylori.

Europäisches Patentamt European Patent Office Office européen des brevets



(11) EP 1 181 047 B1

(12) EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention of the grant of the patent: 16.04.2003 Bulletin 2003/16

(21) Application number: 00040741 2

(22) Date of filing: 07.06.2000

(51) Int. Cl.: A61K 38/46, A61K 35/74, A61P 1/00, A61P 17/00, A61P 25/00, A61P 35/00

(86) International application number: PCT/IT00/00230

(87) International publication number: WO 00/74712 (14.12.2000 Gazette 2000/50)

(54) COMPOSITION COMPRISING ALKALINE SPHINGOMYELINASE FOR USE AS A DIETETIC PREPARATION, FOOD SUPPLEMENT OR PHARMACEUTICAL PRODUCT ZUSAMMENSETZUNG ENTHALTEND ALKALISCHE SPHINGOMYELINASE ZUM GEBRAUCH ALS DIÄTETISCHE ZUSAMMENSETZUNG, NAHRUNGSERGÄNZUNGSMITTEL ODER PHARMAZEUTISCHES PRODUKT COMPOSITION RENFERMANT DE LA SPHINGOMYELINASE ALCALEINE UTILISEE COMME PREPARATION DIETETIQUE, COMPLEMENT ALIMENTAIRE OU PRODUIT PHARMACEUTIQUE

(84) Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI

(30) Priority: 09.06.1999 IT RM990376

(43) Date of publication of application: 27.02.2002 Bulletin 2002/09

(73) Proprietor: ACTIAL Farmaceutica Lda, Funchal, Madeira (PT)

(72) Inventor: DE SIMONE, Claudio I-00040 Ardea (IT)

(74) Representative: Cavattoni, Fabio et al Cavattoni & Raimondi Viale dei Parioli, 160 00197 Roma (IT)

(56) References cited: WO-A-9800035 WO-A-9822082 WO-A-9942568

U. SJOQVIST ET AL.: "Chronic colitis with dysplasia is associated with a reduction of alkaline sphingomyelinase activity." GASTROENTEROLOGY, vol. 116, no. 4 part 2, April 1999 (1999-04), page A806 XP000071701 New York, US RUDOLFGJUAN: "Sphingomyelin hydrolysis in the gut and clinical implications in colorectal tumorigenesis and other gastrointestinal diseases." SCANDINAVIAN JOURNAL OF GASTROENTEROLOGY, vol. 33, no. 7, July 1998 (1998-07), pages 673-683, XP000971699 Oslo, SE cited in the application

(19) 中华人民共和国国家知识产权局



(12) 发明专利申请

(10) 申请公布号 CN 101895374 A

(43) 申请公布日 2010.04.21

(21) 申请号 200910129882.3 A61P 25/00 (2006.01)

(22) 申请日 2009.06.07 A61P 3/00 (2006.01)

(30) 优先权数据 RM99A000376 1999.06.09 IT A61P 25/00 (2006.01)

(82) 分案原申请数据 00808645.1 2000.06.07

(83) 生物保藏信息 DSM 1988 1998.02.06

(71) 申请人 艾蒂尔制药有限公司

地址 葡萄牙丰沙尔

(72) 发明人 C·德西蒙

(74) 专利代理机构 中国国际经济贸易委员会专利商标事务所 11058

代理人 罗新华

(51) Int. Cl. A23L 1/30 (2006.01)

A61K 38/43 (2006.01)

A61P 1/00 (2006.01)

A61P 35/00 (2006.01)

A61P 37/02 (2006.01)

(54) 发明名称 包括碱性鞘磷脂酶组合物

包括碱性鞘磷脂酶组合物用作食欲剂、食品添加剂或药物制剂的组合物

(57) 摘要 本发明涉及一种组合物, 可以用作营养、饮食或严格地治疗性制剂, 包括作为其活性物质的能够预防或治疗包括癌症过程、肠的炎性过程、高胆固醇血症和由细菌感染的各种病理条件的碱性鞘磷脂酶组合物。

CN 100885374 A



US 2000/084486 A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2005/0084486 A1 De Simone (43) Pub. Date: Apr. 21, 2005

(54) COMPOSITION COMPRISING ALKALINE SPHINGOMYELINASE FOR USE AS A DIETETIC PREPARATION, FOOD SUPPLEMENT OR PHARMACEUTICAL PRODUCT

(75) Inventor: Claudio De Simone, Ardea RM (IT)

Correspondence Address: NIXON & VANDEHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714 (US)

(73) Assignee: VSL Pharmaceuticals, Inc., Gaithersburg, MD

(21) Appl. No.: 10/964,770

(22) Filed: Oct. 15, 2004

Related U.S. Application Data

(63) Continuation of application No. 09/960,652, filed on Sep. 24, 2001, now abandoned, which is a continuation of application No. PCT/IT00/00230, filed on Jun. 7, 2000.

(30) Foreign Application Priority Data Jun. 9, 1999 (IT) RM99A000376

Publication Classification

(51) Int. Cl. A61K 38/47

(52) U.S. CL. 424/94.61

(57) ABSTRACT The invention relates to a composition which, depending on the user, may be taken as a nutritional, dietetic or strictly therapeutic preparation, comprising as its active substance alkaline sphingomyelinase which is capable of preventing or treating various pathological conditions including cancerous processes, inflammatory processes of the intestine, hypercholesterolemia and infections with Helicobacter pylori.



(12) Patent Başvurusu

(21) Başvuru No. a 2001/03566

(22) Başvuru Tarihi 2000/06/07

(43) Başvuru Yayın Tarihi 2002/05/21

(30) Başvuru Bilgileri (32) (33) (31) 1999/06/09 IT RM99A000376

(71) Başvuru Sahibi VSL PHARMA LIMITED

1 Christchurch Square Dublin 8 IE

(72) Başvuru Yapan CALAUDIO DE SIMONE Via Nuoro 12, I-10040 Ardea IT

(54) Başlık Başlığın Alkaline sfingomyelinazdan oluşan terkipin kullanılması

(57) Özet Bu buluş kullanıma hazır olarak besleme, diyetetik, ya da dar biçimde terapötik maddeler olarak aktif maddeli kanserle ilgili yöntemleri, bağışak litihabi ile ilgili yöntemleri, hiperkolesterolemia ya da Helicobacter pylori ile ilgili enfeksiyonları da ihtiva eden çeşitli patolojik halleri önleyici ya da tedavi edici nitelikte sahip aktif maddeli alkaline sfingomyelinaz terkinine ilişkindir.

(74) Vahit DENİZ PATENT VE MARKA AÇENTALİĞİ LTD. ŞTİ İnebolu Sk., Derya Han, No-3, Kat:5, Setiştir, Kabatas, İSTANBUL

(19) TR 2001 03566 T2

(51) Buluşun temel sınıflandırması A61K 38/46

A23L 1/29

A61P 1/00

A61P 17/00

A61P 25/00

A61P 35/00

(86) Uluslararası Başvuru No PCT/IT00/00230

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Air conditioning device for a transport vehicle and a corresponding transport vehicle

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Inventor(s): BELKOUCHE YAZID YANISS [FR] ±

Applicant(s): IVECO FRANCE SA [FR] ±

Classification: - international: [B60H1/00](#); [B60H1/32](#)
 - cooperative: [B60H1/00371](#); [B60H1/3201](#)

Application number: [EP20080161089](#) [20080724](#)

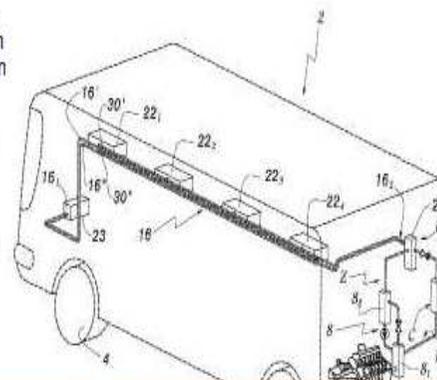
Priority number(s): [EP20080161089](#) [20080724](#)

Also published as: [EP2147812 \(B1\)](#) [ES2392278 \(T3\)](#)

Abstract of EP2147812 (A1)

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This device comprises a main zone (Z) for the production of cold which comprises a compressor (8), a main loop (10) carrying a main refrigerant, and a condensation stage (C) traversed by this main loop (10), at least one diffuser (22 1 -22 4) and an auxiliary loop (16) carrying an auxiliary refrigerant. This auxiliary loop (16) is in heat exchange with the main loop (10), in a first exchanger (20) placed in the vicinity of the main zone (Z), this auxiliary loop (16) also being in heat exchange with the air of the passenger compartment of the vehicle to be air conditioned, while the compressor of the main zone (Z) is a chemical compressor (8) that is capable of drawing its operating energy from: the heat contained in the exhaust gases of the engine (M) of the vehicle; - the heat contained in the cooling water of the engine of the vehicle; and - a source of top-up energy (15).





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1. THERMAL SYSTEM FOR A VEHICLE

★ Inventor: MISKIMIN MATT [SE] EDBERG BO [SE]	Applicant: ZEBCO AKTIEBOLAG [SE] MISKIMIN MATT [SE] (+1)	CPC: B60H1/00007 B60H1/00371 B60H1/3201 (+1)	IPC: B60H1/00 B60H1/32 F25B27/02 (+1)	Publication info: WO9834807 (A1) 1998-08-13	Priority date: 1997-02-06
--	---	---	--	--	-------------------------------------

2. Air-conditioning installation completely or at least partially independent from an aggregate

★ Inventor: WEBER GEB FISCHER [DE] WEBER MANFRED [DE]	Applicant: WEBER HELGA [DE]	CPC: B60H1/3201 F24F5/00 F25B1/08 (+2)	IPC: B60H1/32 F24F5/00 F25B1/08 (+3)	Publication info: DE3501738 (A1) 1986-07-31	Priority date: 1985-01-19
--	---------------------------------------	---	---	--	-------------------------------------

3. System for cooling and/or heating a space, with one adsorption refrigeration cycle

★ Inventor: BALIER THOMAS [DE]	Applicant: FRERSPAECHER LGMBH	CPC: B60H1/00007	IPC: B60H1/00	Publication info: EP1331113 (A1)	Priority date: 2002-01-26
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1. Isothermal strand displacement nucleic acid amplification

★	Inventor: DATTAGUPTA NANIBHUSHAN [US] STULL PAUL DOUGLAS [US] (+2)	Applicant: GEN PROBE INC [US]	EC:	IPC: C07H21/02 C07H21/04 C12M1/34 (+2)	Publication info: USRE38960 (E1) 2006-01-31	Priority date: 1994-03-16
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2. Isothermal strand displacement nucleic acid amplification

★	Inventor: DATTAGUPTA NANIBHUSHAN [US] STULL PAUL DOUGLAS [US] (+2)	Applicant: GEN PROBE INC [US]	EC: C12Q1/68D	IPC: C07H21/02 C07H21/04 C12N15/09 (+2)	Publication info: USRE39007 (E1) 2006-03-07	Priority date: 1994-03-16
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3. AUTOMATABLE QUICK TEST FOR DIRECT DETECTION OF APC RESISTANCE MUTATION WITH SPECIFIC PRIMERS AND ASSAY

★	Inventor: SPRINGER WOLFGANG [DE]	Applicant: BAYER AG [DE] SPRINGER WOLFGANG [DE]	EC: C12Q1/68D2G C12Q1/68M6	IPC: C12Q1/68 (IPC1-7):C12Q1/68	Publication info: WO0024928 (A2) 2000-05-04 WO0024928 (A3) 2000-06-22	Priority date: 1998-10-22
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Claims

Mosaics

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(11)  **EP 2 147 812 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication: **27.01.2010** Bulletin 2010/04 (51) Int Cl.: **B60H 1/32 (2006.01)**

(21) Application number: **08161089.1**

(22) Date of filing: **24.07.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

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20122 Milano (IT)

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69200 Vénissieux (FR)

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[0001] The present invention relates to an air conditioning device for a transport vehicle, and a transport vehicle provided with such an air conditioning device.



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EP	F	08161089 A (Patent of invention)
PRS Date :	2010/01/27	
PRS Code :	AK	
Code Expl.:	+ DESIGNATED CONTRACTING STATES:	
KD OF CORRESP. PAT. :	A1	
DESIGNATED COUNTR. :	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR	

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Most recent event	24.12.2010 New entry: Reply to examination report
Applicant(s)	For all designated states Iveco France S.A. 1 Rue des Combats du 24 Août 1944 Porte E 69200 Vénissieux / FR [2010/04]
Inventor(s)	01 / Belkouche, Yazid Yaniss 3 Impasse Gantz 69008, LYON / FR [2010/04]
Representative(s)	Borsano, Corrado , et al Notarbartolo & Gervasi S.p.A. Corso di Porta Vittoria, 9 20122 Milano / IT [2010/04]
Application number, filing date	08161089.1 24.07.2008 [2010/04]
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1. (WO2008131062) PROCESS FOR PREPARING CAPECITABINE

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Pub. No.: WO/2008/131062 **International Application No.:** PCT/US2008/060573
Publication Date: 30.10.2008 **International Filing Date:** 17.04.2008

IPC: C07H 19/067 (2006.01), A61K 31/7068 (2006.01)

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Priority Data: 850/CHE/2007 20.04.2007 IN
61/030,827 22.02.2008 US

Title (EN) PROCESS FOR PREPARING CAPECITABINE
(FR) PROCÉDÉ POUR LA PRÉPARATION DE CAPÉCITABINE

Abstract: (EN) There is provided processes for the preparation of capecitabine and intermediates thereof.
(FR) Il est fourni des procédés pour la préparation de



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Available information on National Phase entries [\(more information\)](#)

Office	Entry Date	National Number	National Status
European Patent Office (EPO)	06.10.2009	2008746057	Published: 30.12.2009
Japan	16.10.2009	2010504240	
Republic of Korea	14.10.2009	1020097021442	Published: 12.02.2010
United States of America	19.10.2009	12596544	Published: 27.05.2010

1. (WO2008131062) PROCESS FOR PREPARING CAPECITABINE

International Application Status

Date	Title	View	Download
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Published International Application

Date	Title	View	Download
30.10.2008	Initial Publication without ISR (A2 44/2008)	PDF (53p.)	PDF (53p.), ZIP(XML + TIFFs)
18.12.2008	Later publication of international search report (A3 51/2008)	PDF (6p.)	PDF (6p.), ZIP(XML + TIFFs)

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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
30 October 2008 (30.10.2008)

(10) International Publication Number
WO 2008/131062 A2

(51) International Patent Classification:
C07D 406/01 A61K 31/7068 (2006.01)

(52) International Application Number:
PCT/US2008/069573

(53) International Filing Date: 17 April 2008 (17.04.2008)

(54) International Filing Language: English

(55) International Publication Language: English

(56) Priority Data:
8503812/2007 20 April 2007 (20.04.2007) IN
616040873 22 February 2008 (22.02.2008) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
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ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LI, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BI, CI, CG,
CM, GA, GN, GQ, GW, ML, MR, NI, SN, TD, TG).

Published:
— without international search report and to be republished
upon receipt of that report.

(54) Title: PROCESS FOR PREPARING CAPEFABINE

(57) Abstract: There is provided processes for the preparation of capefabisin and intermediates thereof.



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US7595499, Feb 19, 2008, Sep 29, 2009, Silicon Genesis Corporation, Method and system for fabricating strained layers for the manufacture of integrated ...

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Method and system for fabricating strained layers for the manufacture of integrated circuits

US 7595499 B2

ESTRATTO

A method for forming a strained layer of semiconductor material, e.g., silicon, germanium, Group III/V, silicon germanium alloy. The method includes providing a non-deformable surface region having a first predetermined radius of curvature, which is defined by R(1) and is defined normal to the surface region. The method includes providing a first substrate (e.g., silicon wafer) having a first thickness. Preferably, the first substrate has a face, a backside, and a cleave plane defined within the first thickness. The method includes a step of overlying the backside of the first substrate on a portion of the surface region having the predetermined radius of curvature to cause a first bend within the thickness of material to form a first strain within a portion of the first thickness. The method provides a second substrate having a second thickness, which has a face and a backside. The method includes a step of overlying the face of the second substrate on a portion of the face of the first substrate to cause a second bend within the thickness of material to form a second strain within a portion of the second thickness. A step of joining the face of the second substrate to the face of the first substrate form a sandwich structure while maintaining the first bend in the first substrate and the second bend in the second substrate. Preferably, joining occurs using a low temperature process such as plasma activated bonding or the like.

Numero di pubblicazione	US7595499 B2
Tipo di pubblicazione	Concessione
Numero domanda	12/070,574
Data di pubblicazione	29 set 2009
Data di registrazione	19 feb 2008
Data di priorità	29 lug 2004
Publicato anche come	US7094666 Altri 6 »
Inventori	Francois J. Henley Altri 3 »
Candidato	Silicon Genesis Corporation
Classificazione Stati Uniti	257/18 Altri 3 »
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