

Accelerating Higher Education Expansion and Development Operation (AHEAD)



January 2018



**MINISTRY OF HIGHER EDUCATION
AND HIGHWAYS**



WORLD BANK GROUP



UNIVERSITY GRANTS COMMISSION

Patents

- Patents should be applied for genuinely new technological knowledge as this is a right granted by the state to commercially exploit an invention for a limited period to disclose the information.

What inventions are patentable?

- it must be new or novel
- it must be non-obvious, or it must involve an inventive step
- it must be useful or capable of industrial application

The invention must be part of “patentable subject matter” under the applicable law.



US007469381B2

(12) **United States Patent**
Ording

(10) **Patent No.:** **US 7,469,381 B2**
(45) **Date of Patent:** **Dec. 23, 2008**

(54) **LIST SCROLLING AND DOCUMENT
TRANSLATION, SCALING, AND ROTATION
ON A TOUCH-SCREEN DISPLAY**

6,489,951 B1 12/2002 Wong et al. 345/173
6,567,102 B2 5/2003 Kung 345/660



(75) Inventor: **Bas Ording**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **11/956,969**

(22) Filed: **Dec. 14, 2007**

(65) **Prior Publication Data**
US 2008/0168404 A1 Jul. 10, 2008

Related U.S. Application Data
(60) Provisional application No. 60/937,993, filed on Jun. 29, 2007, provisional application No. 60/946,971, filed on Jun. 28, 2007, provisional application No. 60/945,858, filed on Jun. 22, 2007, provisional application No. 60/879,469, filed on Jan. 8, 2007, provisional application No. 60/883,801, filed on Jan. 7, 2007, provisional application No. 60/879,253, filed on Jan. 7, 2007.

(51) **Int. Cl.**
G06F 3/01 (2006.01)

(52) **U.S. Cl.** **715/702**; 715/764; 715/863;
715/864; 715/769

(58) **Field of Classification Search** 715/764,
715/769, 702, 863, 864
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 635 779 A1 1/1995

(Continued)

OTHER PUBLICATIONS

Microsoft Word 2003 Screen Shots.*

(Continued)

Primary Examiner—Boris Pesin
(74) *Attorney, Agent, or Firm*—Morgan, Lewis & Bockius
LLP

(57) **ABSTRACT**

In accordance with some embodiments, a computer-implemented method for use in conjunction with a device with a touch screen display is disclosed. In the method, a movement of an object on or near the touch screen display is detected. In response to detecting the movement, an electronic document displayed on the touch screen display is translated in a first direction. If an edge of the electronic document is reached while translating the electronic document in the first direction while the object is still detected on or near the touch screen display, an area beyond the edge of the document is displayed. After the object is no longer detected on or near the touch screen display, the document is translated in a second direction until the area beyond the edge of the document is no

General outline for patents

- The technical field
- General background art
- Relevant background art
- Assessment of background art/problem underlying the invention
- Brief disclosure of the invention and advantages of the invention
- Specific description of the invention and its advantages
- Description of the embodiments of the invention with its advantages
- Brief description of drawings (if drawings are included)
- Further description of drawings
- Claims

How to write claims

- http://www.wipo.int/edocs/mdocs/aspac/en/wipo_ip_phl_16/wipo_ip_phl_16_t5.pdf

WIPO Patent Drafting Manual

- http://www.wipo.int/edocs/pubdocs/en/patents/867/wipo_pub_867.pdf

http://www.wipo.int/scp/en/annex_ii.html

The above website will have information about

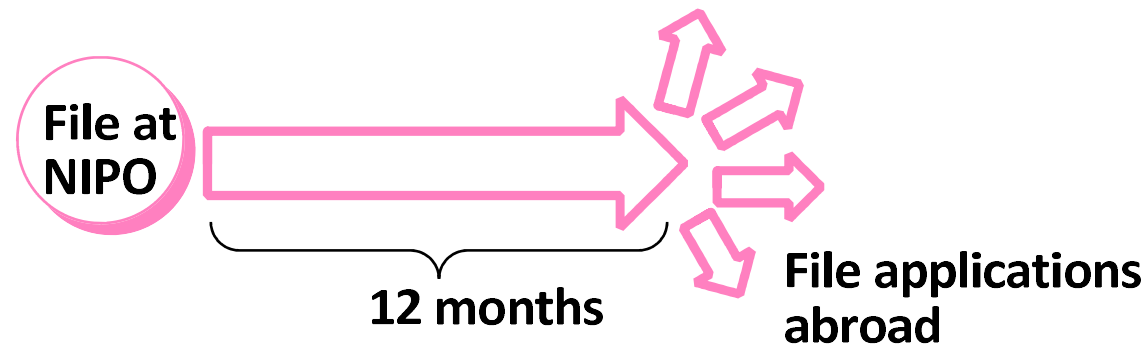
- Prior art
- Novelty
- Inventive step
- Grace period
- Sufficiency of disclosure
- Exclusions from patentable subject matter
- Exceptions and limitations of the rights

Grace period

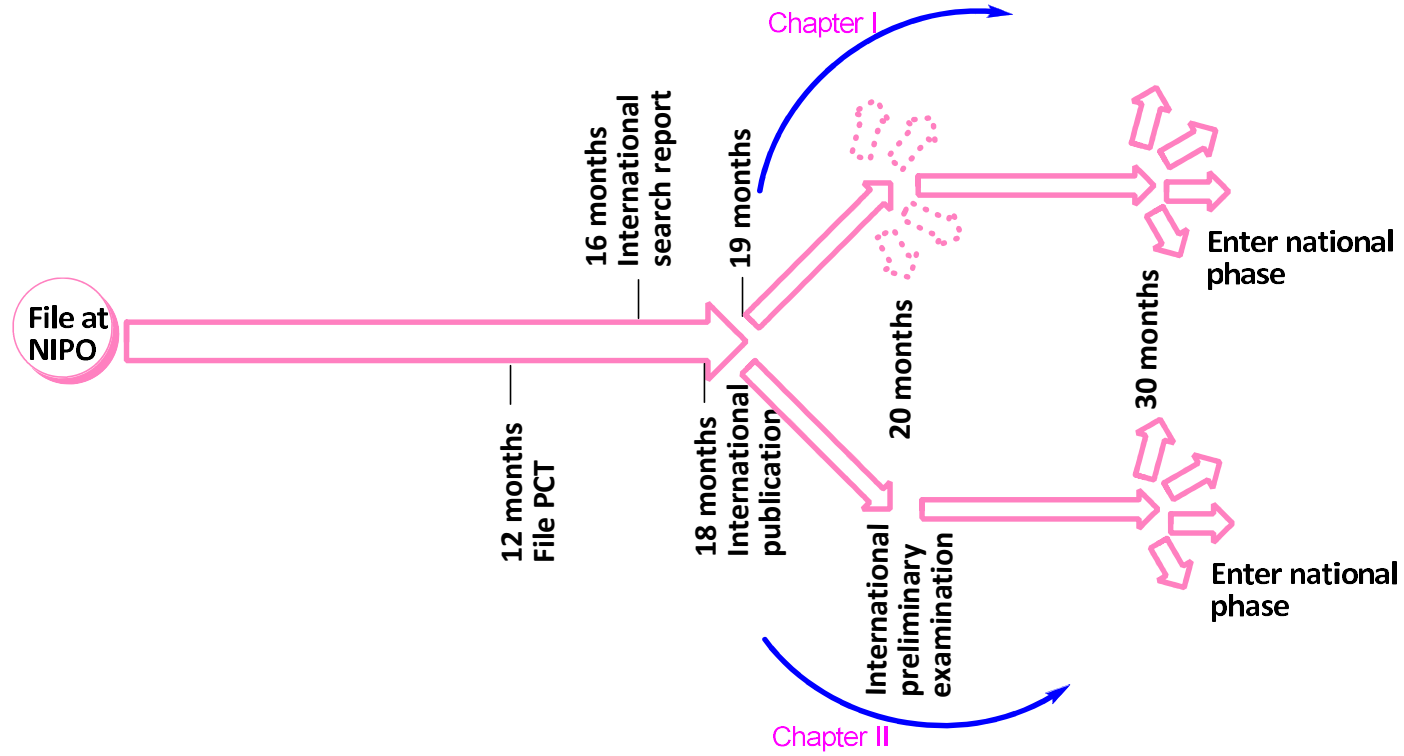
- Public disclosure of the invention will destroy the novelty of an invention
- Public disclosure means publications, communications, books, articles, exhibitions etc.
- In some countries a grace period of 6-12 months is given between the date of public disclosure and the date of filing
- There is no uniformity in different jurisdictions on the grace period
- http://www.wipo.int/export/sites/www/scp/en/national_laws/grace_period.pdf

Obtaining an international patent (Traditional system)

- Initial patent filing at the National Intellectual Property Office (NIPO), Sri Lanka



PCT




Patent Cooperation Treaty (PCT)

- The applicant has 18 months more to protect in a different country under PCT compared to traditional method which is only 12 months . During this extra time the applicant can study the economic viability of protecting in a particular country.
- When the PCT application enters the national phase, there is less chance of rejection on formal grounds. This will save time if you want to apply for a patent in different countries.
- As the application is published in an international gazette investors will get to know about it.
- Under PCT, 139 countries are covered in one single application.

Example of a PCT

Title of invention: Universal electronic shopping cart

PCT		WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau			
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)					
(51) International Patent Classification ⁷ :		A3	(11) International Publication Number: WO 00/31657		
G06F 17/60			(43) International Publication Date: 2 June 2000 (02.06.00)		
(21) International Application Number: PCT/US99/27891		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, 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, GA, GN, GW, ML, MR, NE, SN, TD, TG).			
(22) International Filing Date: 24 November 1999 (24.11.99)					
(30) Priority Data:					
60/109,986 25 November 1998 (25.11.98) US					
Not furnished 22 November 1999 (22.11.99) US					
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(74) Agents: GLENN, Michael, A et al.; Glenn Patent Group, 125 Lake Road, Portola Valley, CA 94028 (US).					
		Published <i>With international search report.</i>			
		(88) Date of publication of the international search report: 23 November 2000 (23.11.00)			

International Search Report (ISR)

INTERNATIONAL SEARCH REPORT		International Application No PCT/US 99/27891
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F17/60 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) INSPEC, EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BILLARD D: "Multipurpose Internet shopping basket" PROCEEDINGS NINTH INTERNATIONAL WORKSHOP ON DATABASE AND EXPERT SYSTEMS APPLICATIONS (CAT. NO.98EX130), PROCEEDINGS NINTH INTERNATIONAL WORKSHOP ON DATABASE AND EXPERT SYSTEMS APPLICATIONS, VIENNA, AUSTRIA, 26-28 AUG. 1998,	1,6,8,9, 26,31, 33,34

Ways of protection other than patents

- Utility models = petty patent=short term patent=innovation patent=incremental innovation=second tier protection

“An utility model could use a product or invention that has been invented in a new way to solve a problem”. As such this is less strict than a patent in the inventive step, cost less, and has a low period of protection (a maximum of 10 years). No examination is needed prior to registration.

Provisional patent applications

- This is possible in some countries such as Australia, UK, Canada, USA.
- In the USPTO even draft research papers can be provisional applications.
- These are low cost in entering the patent system and after filing there is up to one year to apply for a patent.
- The subject matter in a provisional and a non-provisional application cannot be very different.
- Does not undergo substantive examination

Trade secrets

- Trade secrets: inventions are protected by keeping them as a secret. There is no disclosure like in a patent. However another inventor may invent the same thing as there is no protection. Eg. The chemical formula for Coca Cola is a trade secret
- For more information please visit:
http://www.wipo.int/sme/en/ip_business/trade_secrets/trade_secrets.htm
<http://www.marketingtoday.com/legal/tradesecc.htm>
<http://www.ipwatchdog.com/tradesecc/>

Confidential know-how agreements

- Can include the know-how in a license agreement or in a separate document called a know-how contract.
- Know-how can be communicated through documents, photographs, blueprints, computer cards and microfilm, architectural plans, the diagrams of equipment, drawings or blueprints of machines, lists of spare parts, reports on stability and environmental factors, job descriptions of technical/professional staff.
- Know-how can be in an intangible form as well, such as advice on manufacturing and other services etc.

Thank You!