The Global IP Portal

Renaud Garat
Director
Patent Business Development
The global one-stop-shop IP information portal

Why is Orbit.com different and unique:

Focusing on the essential
The global one-stop-shop IP information portal

- Easier Searching
- Comprehensive Searching
- Efficient Searching
- Powerful Searching
- Efficient Scanning
- Reporting:
  - Exports
- Storing, sharing, analyzing
EASIER SEARCHING

Search Xpress:

✓ Very easy, for novice searchers
✓ Search by Keywords, company name, assignee or inventor, or number
EASIER SEARCHING

Search:

✓ Full flexibility
✓ Multilingual querying assistant
✓ Query-level highlighting
✓ Combination of criteria
Combination of criteria & command line query

((COLLAPS+ OR EXPAND+ OR WRAP+ OR FOLD+) AND (COMPUTER? OR LAP_TOP? OR NOTE_PAD? OR PDA OR PERSON+ DIGIT+ ASSIST+) AND (KEY_BOARD? OR KEY_PAD?)) AND (COMPAQ OR HP OR HEWLETT? PACKARD)
EASIER SEARCHING

• Easy number typing:
  ➢ Patent numbers may contain commas, hyphens, slashes, dots, spaces, etc.

• Patent Number wizard:
  ➢ Paste text containing patent numbers and QPAT will search them
  ➢ Several 1000’s Patent Numbers uploading capacity!
Easy number typing: Highly flexible

Patent number Wizard:
Paste any text containing patent numbers
Patent number Wizard: 
...Orbit.com identifies them & searches them
EASIER SEARCHING

- Corporate Tree:
  - Finds subsidiaries of a firm
- Context-sensitive Help menus
- Interface available in different languages
- Highly knowledgeable and responsive HelpDesk
Orbit.com identifies and lists all subsidiaries in the Corporate Tree.
The global one-stop-shop
IP information portal

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- Comprehensive Searching
- Efficient Searching
- Powerful Searching
- Efficient Scanning
- Reporting:
  - Exports
- Storing, sharing, analyzing
COMPREHENSIVE SEARCHING

• 93 Patent Authorities
• Major countries back to early 1900’s
• Full text (AR, AT, BE, BR, CA, CH, CL, CN, DE, DK, EP, ES, FI, FR, GB, IN, JP, MX, RU, SE, US –back to 1836, WO…)
• Complete coverage of EP (A back to ‘78 – B back to ‘80)
• Fast updating of CN, DE, FR, GB, JP, KR, TW, US patents
  ➢ MAT abstracts & titles available

* MTA = Machine Assisted Translation
COMPREHENSIVE SEARCHING

- International, European, ICO, US & JP classifications + Locarno (Designs)

- Citations for:
  - Relevancy codes available for EP, FR, JP & WO

- US Re-assignments
COMPREHENSIVE SEARCHING

- Merged Legal Status: many harmonized legal actions can be searched:
  - Entry into national phase (ENP)
  - Licensing (LIC)
  - Not in force (NIF)
  - Ownership (NMC)
  - Opposition (OPP)
  - Patent in force (PIF)
  - Term rights extended (SPC)...

- Non Patent Literature:

- Soon many more sources
Ethanol production by genetically engineered Escherichia coli strains.

Abstract
A novel operon and plasmid comprising genes which code for the aldehyde dehydrogenase and pyruvate decarboxylase activities of Zymomonas mobilis are described.
Also disclosed are methods for increasing the growth of microorganisms or eukaryotic cells and methods for reducing the accumulation of undesirable metabolite products in the growth medium of microorganisms or cells.

Inventor(s)
HIGRAM, LOHIE O.
CONWAY, TYRELL.
ALTERTHUM, FLAVIO

Patent Assignee History

(EP-431647)
(A1) UNIV. FLORIDA (US)

(US5099909)
ALTERTHUM, FLAVIO: FROM 19890512 TO 19890512
HIGRAM, LOHIE O: FROM 19890512 TO 19890512
UNIVERSITY OF FLORIDA, THE; FROM 19890512
CONWAY, TYRELL; FROM 19890515 TO 19900522
UNIVERSITY OF FLORIDA; FROM 19890515 TO 19900521
BC INTERNATIONAL CORPORATION; FROM 19900515 TO 20020214
BCI LOUISIANA LLC; FROM 19890515 TO 20020214
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED; FROM 19900521
PHILIP PLANT; FROM 20020214

(US5028539)
HIGRAM, LOHIE O.; FROM 19881121 TO 19881130
UNIVERSITY OF FLORIDA; FROM 19881121 TO 19900521
CLARK, DAVID P.; FROM 19881121 TO 19900521
BC INTERNATIONAL CORPORATION; FROM 19881121 TO 20020214
BCI LOUISIANA LLC; FROM 19881121 TO 20020214
HITACHI ULTRAS AUTO. LTD.; FROM 19881121 TO 20040927
UNIVERSITY OF FLORIDA, 207 TIGERT HALL, GAINESVILLE, FLORIDA 32611; FROM 19881130
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED; FROM 19900521
PHILIP PLANT; FROM 20020214
HITACHI LTD.; FROM 20040927

(WO9002153)
(A1) UNIV. FLORIDA (US)
Merged Legal Status:
Combine Legal Status events with your searches
Non patent literature:
Extend your searches to Google Scholar
... and soon much more
COMPREHENSIVE SEARCHING


- Locarno classification

- Each registration is split into as many designs as it contains: optimized recall
Each registration is split: All designs are displayed
US Litigation:

- Contains all US patent litigation since 2004
- Updated daily
- Provides users with the ability to:
  - Display litigations for search results
  - Search litigations by: patent number, owner, product name, case, docket, court, date, party, attorney, law firm, inventor…
- In partnership with MaxVal
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**US patent litigation searching**
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**Ennova Direct, Inc. vs. LG Electronics U.S.A., Inc.**

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**Date Filed**

08 Apr 2010

**Court Name**

California Northern District Court

**Counter Claimants**

Phillips Electronics North America Corporation
Transcend Information, Inc.
Vendetta Americas LLC

**Counter Defendants**

Ennova Direct, Inc.

**Judge**

Joseph C. Spero

**Attorney**

C. DaleQuinby
Jennifer Parker Armsworth

**Law Firm**

Paulsen, Quinby & Eirington, LLP
Wilson Robertson & Cemilicus PC

**Product Name**

Thumb drives

**Patent Number**

US6799218

**Inventor Name**

Rogers, Paul
Hale, Everett

**Issue Date**

27 Dec 2005

**Expiration Date**

24 Jul 2024

**IPC Code**

H01R 13/028
H01R 13/96
H01R 13/717

**Related Information**

- **CIVIL DOCKET**
  - Case transferred in from District of Texas, Eastern; Case Number 2009-cv-00022. Original filed certified copyright
  - File transfer order and docket sheet received. (Entered: 04/10/2010)

- **COMPLAINT**
  - Complaint for patent infringement.
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EFFICIENT SEARCHING

Key content:

✓ Object of Invention
✓ Advantages & prior art drawbacks
✓ Independent claims

- Extracted from full text
- Updated very fast
- Using linguistic technology
- More focused and precise searching
Object of Invention

A handheld electronic communication device (300) that is transitionable between compact (120) and expanded configurations (122) is disclosed.

In particular, the present disclosure relates to a handheld electronic communication device that is capable of transitioning between compact and expanded configurations.

Advantages / Prev. Drawbacks

In this regard, the associated letters can be advantageously organized in QWERTY, QWERTZ, AZERTY or Dvorak layouts, among others, thereby capitalizing on certain users’ familiarity with these special letter orders.

[0049] It is desirable for handheld electronic communication devices 300 to include a combined text-entry keyboard and a telephony keyboard. This user at least one possible embodiment is particularly useful when the device is used as a multimedia player and it is undesirable to expose the entire keyboard panel (103). (see diagram)

Examples of communication devices include both handheld communication devices as well as larger devices such as laptop computers, desktop computers and the like. Some users will prefer the solution of the larger keys over the smaller ones, but it is necessary that program or hardware solutions be provided in order to discriminate which of the several associated letters the user intends based on a particular key actuation, a problem the full keyboard avoids.

Independent Claims

1. A handheld electronic communication device (300) transitionable between at least a compact configuration (120) and an expanded configuration (122), said device (300) comprising:

- a display panel (102) defining a first central plane (130) and interconnected to a keyboard panel (103) defining a second central plane (132), wherein said display panel (102) is overlaid on, and in substantial registration with, said keyboard panel (103) in a compact configuration (120) and said display panel (102) is offset above said keyboard panel (103) in an expanded configuration (122), and said display panel (102) coupled to said keyboard panel (103) by at least one interconnection (140) configured to maintain said first central plane (130) and second central plane (132) in substantial parallel orientation to each other in the compact configuration (120) and expanded configurations (122) and during transition between the compact configuration (120) and the expanded configuration (122) in which the first central plane (130) and second central plane (132) undergo both x-direction (108) and z-direction (109) motion relative to one another.
EFFICIENT SEARCHING

Invention-based patent family searching:

✓ Patents grouped by invention-related families
✓ All family information searched as one:
  ➢ all abstracts as one
  ➢ all titles as one
  ➢ all key content as one
  ➢ all classification codes can be combined

➢ No duplicate records
➢ More precise searching (more precise than INPADOC)
➢ More comprehensive searching
**EFFICIENT SEARCHING**

**Illustration:**

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34 records were retrieved because CELL PHONE and KEYBOARD keywords were found in separate family members (new SDOC – « Same DOCument » operator)
Abstract
PURPOSE: To prevent the occurrence of an obstacle in the operation of a keyboard and the increase of the area of an input device even though a track ball is stored, and to fold it.
CONSTITUTION: A keyboard plate 3 is made capable of being slid backward on the main body 1 of the input device or a personal computer, etc., and the track ball 6 is installed on the upper surface of the main body 1 to be exposed when the keyboard plate is slid backward.

Claim
1. When automatic operations are generated by touching the track ball on a keyboard with a hand, and to reduce a flat area when folding a display and making it into a portable box shape.
2. Track ball unit 8 is provided at the main body case 1 on the underside of a keyboard 2 and at the recessed part the track ball unit 8 is set so as to be housed there and to be pulled out to the front side of the keyboard 2.

Claims
JP05259089
7. A keyboard plate is not used, and to facilitate the operation of a keyboard or the like by providing the track ball from a plane where an input means such as the keyboard is provided.
8. In a housing hole 2a provided higher than the installing plane of a keyboard 1 for one step. A lock lever 5 is provided and provided at an opening hole 2b of a main body case 1 ) ball unit 7 is pushed down, it does not stand out in the vision to the keyboard 1, and the keyboard 1 can be easily operated. Further, malfunction can be prevented when the track ball 6 is touched.

JP05259086

Assignee
FUKAI ELECTRIC CO

Published As
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Displaying records: 1 of 1

Query: (computer? AND (fold* S keyboard?) AND slid+) /AB
The global one-stop-shop IP information portal

• Easier Searching
• Comprehensive Searching
• Efficient Searching
• **Powerful Searching**
• Efficient Scanning
• Reporting:
  • Exports
• Storing, sharing, analyzing
POWERFUL SEARCHING

Multilingual search capability:

✓ French / English / German (soon more)
✓ Suggestion of synonyms in each language
✓ Automatic translation into Boolean search
✓ Complete query may be modified
Multilingual search capability:

✓ French / English / German (soon more)
✓ Choice of synonyms in each language
Multilingual search capability:
- Translated into Boolean query
- Complete query may be modified
POWERFUL SEARCHING

Full range of search operators:

✓ Proximity
  ✓ sentence, paragraph, field, words
  ✓ In a specific order or not

✓ Boolean
  ✓ AND, OR, NOT

✓ Truncations
  ✓ limited, unlimited
  ✓ left, right, middle...even simultaneous!
POWERFUL SEARCHING

User defined lists:

✓ 150 lists containing up to 200,000 families each!
✓ No additional charge
✓ Can be named, searched, refined, expanded, combined, included in search history...
✓ Transfer is lightening fast
User defined lists:
✓ Can be named and contain up to 200,000 families each!
User defined lists:

- Can be searched, refined, expanded, combined, included in the search history...

Query: (7 NOT 6) AND BINDING+
The global one-stop-shop IP information portal

- Easier Searching
- Comprehensive Searching
- Efficient Searching
- Powerful Searching
- **Efficient Scanning**
- Reporting:
  - Exports
- Storing, sharing, analyzing
EFFICIENT SCANNING

✓ Highlighting:
  ➢ Defined by the user at the query level
  ➢ Visible directly in the Hitlist
  ➢ Can be saved and named

✓ Drawings mosaics available at Hitlist level

✓ Results grouped in families with access to:
  ➢ PDF
  ➢ Register information
  ➢ Citation graph
  ➢ Family graph
  ➢ File History
EFFICIENT SCANNING

✓ Customizable Hitlist
✓ Immediate Machine translation (40+ languages)
✓ Color-coded legal status
  ➢ Including PATOLIS-e (exclusive)
✓ Key Words In Context (KWIC) view
✓ Key content
✓ Tagging & sorting
✓ Colored background for selected / read records
✓ VERY FAST to navigate
✓ Many keyboard shortcuts
Highlighting at the query level:

✓ Choose a color for each concept
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<td>LIUXIAN</td>
<td>CN2013185389</td>
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<td>PANASONIC CORPORATION</td>
<td>US2009013287</td>
<td>2006-06-19</td>
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<td>Device for communicating orders for transportation, vehicle-based communication device, communication system and method</td>
<td>SIEMENS AENTZIEGEBELLSCHAFT</td>
<td>US2009087527</td>
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<td>One kind of belt expanded and contracted the keyboard place the vehicle to carry computer (machine translation)</td>
<td>YANG ZUO</td>
<td>CN201571756</td>
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<td>Coal mining earth leakage protection device with high-voltage selectivity</td>
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<td>Field operations synthesizing information handling terminal</td>
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<td>12-key rotary text entry method</td>
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<td>Method for implementing strengthening keyboard control based on 51 kernel</td>
<td>SHANDONGS CHAOYUE ONE ELECTRONIC CO.</td>
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<td>RES IN MOTION LTD</td>
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<td>RESEARCH IN MOTION LIMITED</td>
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<td>Keyboard with keys for moving cursor</td>
<td>CROMPLEY ROBERT J, HALEORN DONAL D</td>
<td>US2005033216</td>
<td>1999-07-29</td>
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<td>Swing type foldable keyboard for portable computer</td>
<td>RYU SANG KYU</td>
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**Abstract**

A swing type foldable keyboard of a portable computer is provided to expand the whole size by unifying the keyboard space without the change in the keyboard position. A keyboard (100) consists of two pieces which are mutually hinge coupled by a hinge unit so as to be an undetected right and left in the parallel direction to a keyboard surface. So that the vertical and horizontal directions of the keyboard (100) can be mutually reversed when the unfolding is performed, the hinge-coupling is performed. A connection member (102) selectively separable connects the keyboard body (100) with the body of a portable computer. One of the connection member is fixed to the hinge unit.

**Inventor(s)**

RYU SANG KYU

**Assignee**

RYU SANG KYU

**Patent Assignee (Original)**

RYU SANG KYU (KR)

**Published As**

<table>
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<th>Pub. Stage</th>
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<td>KR20080987644</td>
<td>2008-06-21</td>
<td>A - Official Gazette of the Unexamined Patents</td>
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**Infr Classifications**

G06F 00116

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<td>User interface system</td>
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<td>Mobile phone with demonstration remote control of pen</td>
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<td>Incorporated handwriting input experience for textboxes</td>
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<td>Computer keyboard</td>
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<td>Handheld read-write machine for elevator card</td>
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Object of Invention

The present invention relates to a computer system with collapsible keyboard and alternate display function and processing method thereof.

In particular, the present invention relates to a method and system for a collapsible keyboard having an application on a designated partial area of the system monitor.

Accordingly, an object of the invention is to provide a computer system capable of performing applications when a collapsible keyboard is in a folded position, displaying application data on a designated partial area of the system monitor not obscured by the folded keyboard.

Another object of the invention is to provide a method for performing computer system applications when a collapsible keyboard is in a folded position, displaying application data on a designated partial area of the system monitor not obscured by the folded keyboard.

To achieve the above object, the present invention provides a computer system with collapsible keyboard and alternate display functions and processing method thereof.

Advantages / Prev. Drawbacks

Thus, there is a need for a system with a collapsible keyboard and display capability compatible with portability.

Independent Claims

1. A computer system, comprising:
   a main body for storing at least an application; a monitor coupled to the main body; a collapsible keyboard coupled to the main body, disposed in at least an open operating position and a folded position; a device generating a first signal when the collapsible keyboard is unfolded; and an interrupt request controller in the main body coupled to the interrupt controller to send an interrupt request when the collapsible keyboard is folded, terminating active applications and displaying new application data on a designated partial area of the system monitor not obscured by the folded keyboard.

2. A method of processing a collapsible keyboard and alternate display functions, comprising:
   - providing a computer system with a monitor and a collapsible keyboard, disposable in at least an open operating position and a folded position; generating a first signal when the collapsible keyboard is folded; an interrupt controller receiving the first signal, the interrupt controller sending an interrupt request control according to the first signal, determining that the collapsible keyboard has been unfolded, the interrupt request controller sending a first interrupt request to stop any active applications in the computer system, and executing an application in the computer system, the application data being displayed on a designated partial area of the system monitor not obscured by the folded keyboard.
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1. « Scalable continuous production system »
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Distinctive inventions identified in this INPADOC family:

2. « Enhancing fluid flow in a stacked plate microreactor »
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3. « Modular chemical production system incorporating a microreactor »
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Distinctive inventions identified in this INPADOC family:

4. «Miniaturized reaction apparatus»
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A digital processing device (900) including a keyboard assembly (920) and a display assembly (930) coupled to the keyboard assembly. In one embodiment of the present invention, the keyboard assembly has a collapsed form and an opened form and the display assembly has a display width of at least 800 pixels. The keyboard assembly unfolds to form a full-size keyboard (e.g., in conformance with an ISO 5244-4:1998 (E) standard) that allows a user to comfortably, quickly, and accurately "touch-type" in a manner that the user may be accustomed to.
<table>
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<th>IMAGE</th>
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<th>Date</th>
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| ![Image 27x61 to 567x781](57d92a040a96eb01456fe28740ffe66) | 200808400264944 | A1 | 20080319 | WO200936293 | HIGHLY COMPACT KEYBOARDS | (WO200896293) | A method for constructing a set of rules of operation for a first keyboard having a small number of keys is based upon the physical and operational characteristics of a second keyboard having a much greater number of keys. The second keyboard is a familiar keyboard such as a QWERTY keyboard or a phone keypad, and the rules of operation for the first keyboard reflect...

| ![Image 27x61 to 567x781](57d92a040a96eb01456fe28740ffe66) | 20083380017364 | A1 | 20081106 | US20080273012 | Multifunctional portable computing device with special housing | (US20080273012) | A portable computing device includes pivoting and hinging mechanisms which enable its housing to reconfigure to function in multiple modes. In one configuration the device functions as a laptop computer with keyboard input. In another configuration the device folds into a compact, handheld, net-based computer. In another...

| ![Image 27x61 to 567x781](57d92a040a96eb01456fe28740ffe66) | 20082100016412 | A1 | 20080724 | US20080174459 | Notebook Computer Having Keyboard Decoding in Palmrest | (US20080174459) | A portable information handling system, user interface components thereof, and methods of user control interface and assembly are disclosed. In one embodiment a keyboard assembly, including a large plurality of contacts for a keyboard matrix, connects directly to a palmrest assembly. The palmrest assembly includes a...

| ![Image 27x61 to 567x781](57d92a040a96eb01456fe28740ffe66) | 20081750016893 | D0 | 20080521 | GB2008068937 | FOLDING KEYBOARD WITH NUMERIC KEYPAD | (US20080253922) | A folding keyboard is set forth with a numeric keypad, and one fold line located between the edge of a standard continuous space bar and the edge of the numeric keypad. Preferably, the keyboard further includes left and right top cases.

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✔ Search custom fields & attachments
US2004093449 A1 - First published patent application

Main claim:

What is claimed is:

1. A computer system, comprising a main body for storing at least an application; a monitor coupled to the main body; a collapsible keyboard coupled to the main body, disposible in at least an open operating position and a folded position; a signal generating device coupled to the collapsible keyboard and the main body to generate a first signal when the system is in an open position; and an interrupt request controller in the main body coupled to the keyboard controller to send an interrupt request when the collapsible keyboard is folded, terminating active applications and displaying new application data on a designated partial area of the system monitor not obscured by the folded keyboard.

Claims:

2. The computer system as claimed in claim 1, wherein the signal generating device comprises a magnet and a magnetic switch, the magnetic switch being activated by the magnetic switch when the keyboard is folded, the magnetic switch then generating a first signal.

3. The computer system as claimed in claim 1, wherein the signal generating device generates a second signal when the collapsible keyboard is opened, according to the second signal activating the interrupt request controller, which issues a second interrupt request to the application.

4. The computer system as claimed in claim 1, wherein a remote controller is used to switch and control applications.

5. A method of processing a collapsible keyboard and alternate display functions, comprising providing a computer system with a monitor and a collapsible keyboard, disposable in at least an open operating position and a folded position; generating a first signal when the collapsible keyboard is folded; a keyboard controller receiving the first signal; the keyboard controller issuing an interrupt request controller and, according to the first signal, determining that the collapsible keyboard has been folded;

US7054973 B2 - Granted patent as second publication

Main claim:

What is claimed is:

1. A computer system, comprising a main body for storing at least an application; a monitor coupled to the main body; a keyboard coupled to the main body, disposible in at least an open operating position and a folded position, wherein, when disposed in the folded position, the keyboard covers a first partial area of the monitor and leaves uncovered a second partial area of the monitor; a signal generating device coupled to the keyboard and the main body to generate a first signal when the keyboard is in the folded position; a keyboard controller integrated into the main body for receiving the first signal, determining that the keyboard has been folded;

Claims:

2. The computer system as claimed in claim 1, wherein the signal generating device comprises a magnet and a magnetic switch, the magnetic switch being activated when the keyboard is folded, the magnetic switch then generating a first signal.

3. The computer system as claimed in claim 1, wherein the signal generating device generates a second signal when the keyboard is folded, according to the second signal activating the interrupt request controller, which issues a second interrupt request to the application.

4. The computer system as claimed in claim 1, wherein a remote controller is used to switch and control applications.

5. A method of processing a keyboard and alternate display functions, comprising providing a computer system with a monitor and a keyboard, disposable in at least an open operating position and a folded position, wherein, when disposed in the folded position, the keyboard covers a first partial area of the monitor and leaves uncovered a second partial area of the monitor;

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