

Title (en)

SYSTEMS AND METHODS FOR CONTROL MODULES IN PORTABLE ELECTRONIC DEVICES

Title (de)

SYSTEME UND VERFAHREN FÜR STEUERMODULE IN TRAGBAREN ELEKTRONISCHEN GERÄTEN

Title (fr)

SYSTEMES ET METHODES POUR COMMANDER DES MODULES DANS DES DISPOSITIFS ELECTRONIQUES PORTABLES

Publication

EP 1866903 A4 20100310 (EN)

Application

EP 06719419 A 20060125

Priority

- US 2006002553 W 20060125
- US 64858705 P 20050131

Abstract (en)

[origin: WO2006083638A2] Systems and methods for concealing and revealing a control module of a portable electronic device which will simultaneously function as a means of changing the state of the device's operating system. Concealing the control module of the portable electronic device provides for protecting the keys from damage as well as inadvertent activation. At the same time, the concealment action automatically triggers the switching of the operating system from an active state to an inactive state. When the control module of the portable electronic device is revealed, the keys are accessible and the operating system is switched to an active state. Embodiments of the patent include pivoting method and apparatus, sliding method and apparatus and covering method and apparatus.

IPC 8 full level

G09G 5/00 (2006.01); **G06F 1/16** (2006.01); **G06F 1/26** (2006.01); **G06F 1/32** (2006.01); **H01H 9/20** (2006.01)

CPC (source: EP)

G06F 1/1626 (2013.01); **G06F 1/1662** (2013.01); **G06F 1/26** (2013.01); **G06F 1/3215** (2013.01); **G06F 3/0202** (2013.01); **G06F 3/0221** (2013.01); **H01H 13/705** (2013.01); **H01H 3/20** (2013.01); **H01H 2207/004** (2013.01); **H01H 2221/068** (2013.01); **H01H 2223/01** (2013.01); **H01H 2223/018** (2013.01); **H01H 2231/002** (2013.01); **H01H 2239/016** (2013.01); **H01H 2239/03** (2013.01)

Citation (search report)

- [XY] US 2003081375 A1 20030501 - YAMAMOTO ATSUSHI [JP]
- [XY] US 2001048589 A1 20011206 - BRANDENBERG CARL BROCK [US], et al
- [X] WO 9809414 A1 19980305 - BELLSOUTH CORP [US]
- [A] WO 9731468 A1 19970828 - NOKIA MOBILE PHONES LTD [FI], et al
- [A] US 2002097227 A1 20020725 - CHU FRANK RUI-FENG [US], et al
- [PXPA] US 2005070324 A1 20050331 - CHADHA LOVLEEN [US]
- See references of WO 2006083638A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006083638 A2 20060810; **WO 2006083638 A3 20070125**; EP 1866903 A2 20071219; EP 1866903 A4 20100310; JP 2008529165 A 20080731

DOCDB simple family (application)

US 2006002553 W 20060125; EP 06719419 A 20060125; JP 2007553186 A 20060125