

Title (en)  
Keyboard for the input of control commands

Title (de)  
Tastatur zur Eingabe von Steuerbefehlen

Title (fr)  
Clavier pour l'entrée d'instructions de commande

Publication  
**EP 0952597 B1 20060208 (DE)**

Application  
**EP 99107090 A 19990412**

Priority  
• EP 99107090 A 19990412  
• EP 98810360 A 19980423

Abstract (en)  
[origin: US6087600A] This keypad for the input of control commands comprises a membrane keypad, a carrier, a keypad base and a key module. The switching operation, initiated by keys, takes place in a closed unit in the form of a carrier which encloses the keypad base and the membrane keypad. The switching contacts are located within the membrane keypad which is sealed against moisture, whereby the actual performance of the switching command take place within the sealed membrane keypad, switching plungers of the keypad base having only an actuating function. The sealed unit in the form of the carrier considerably eases installation in that the keypad base and the membrane keypad can be pre-installed in the carrier at the factory the key module can be placed over them at the installation site.

IPC 8 full level  
**G06F 3/02** (2006.01); **H01H 13/70** (2006.01); **H01H 13/702** (2006.01)

CPC (source: EP US)  
**H01H 13/702** (2013.01 - EP US); **H01H 2215/006** (2013.01 - EP US); **H01H 2215/008** (2013.01 - EP US); **H01H 2221/016** (2013.01 - EP US); **H01H 2221/044** (2013.01 - EP US); **H01H 2221/05** (2013.01 - EP US); **H01H 2221/064** (2013.01 - EP US); **H01H 2223/002** (2013.01 - EP US); **H01H 2223/042** (2013.01 - EP US); **H01H 2229/034** (2013.01 - EP US); **H01H 2229/062** (2013.01 - EP US); **H01H 2231/03** (2013.01 - EP US); **H01H 2233/004** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH DE ES FI FR GB LI

DOCDB simple family (publication)  
**US 6087600 A 20000711**; AT E317588 T1 20060215; CA 2269391 A1 19991023; CA 2269391 C 20070206; CN 1118076 C 20030813; CN 1233066 A 19991027; DE 59913104 D1 20060420; EP 0952597 A1 19991027; EP 0952597 B1 20060208; ES 2258303 T3 20060816; HK 1022563 A1 20000811; JP 2000112622 A 20000421; MY 123279 A 20060531; SG 85634 A1 20020115

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**US 29804499 A 19990422**; AT 99107090 T 19990412; CA 2269391 A 19990421; CN 99105848 A 19990421; DE 59913104 T 19990412; EP 99107090 A 19990412; ES 99107090 T 19990412; HK 00101608 A 20000316; JP 10090599 A 19990408; MY PI9901390 A 19990409; SG 1999001645 A 19990407