

Title (en)  
Keypad assembly

Title (de)  
Tastaturanordnung

Title (fr)  
Ensemble de clavier

Publication  
**EP 2362404 A1 20110831 (EN)**

Application  
**EP 10154931 A 20100226**

Priority  
EP 10154931 A 20100226

Abstract (en)  
A keypad assembly (300) is described herein in which the keypad assembly (300) includes a substrate (200) and a plurality of domes (302) positioned on the substrate (200) and configured to translate operator action into a corresponding input for a machine. The keypad assembly (300) also includes a dome overlay (330) positioned over the domes (302) and the substrate (200) in which the dome overlay (330) can create a sealed environment for the substrate (200) and the domes (302). A light guide (320) that directs light in the keypad assembly (300) and an interlocking component (335) coupled to the light guide (320) can also be part of the keypad assembly (300). In one arrangement, the interlocking component (335) can selectively compress the dome overlay (330) to assist in the creation of the sealed environment. In another arrangement, the interlocking component (335) can compress the dome overlay (330) by bending the dome overlay (330) at an edge (210) of the substrate (200).

IPC 8 full level  
**H01H 13/704** (2006.01)

CPC (source: EP)  
**H01H 13/704** (2013.01); **H01H 2219/062** (2013.01); **H01H 2223/003** (2013.01); **H01H 2229/042** (2013.01); **H01H 2239/018** (2013.01); **H01H 2239/034** (2013.01)

Citation (search report)

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- [I] US 4056701 A 19771101 - WEBER JOHN E
- [I] US 2008164133 A1 20080710 - HAYAFUNE ISAO [JP]
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 2362404 A1 20110831**; **EP 2362404 B1 20141231**; CA 2732547 A1 20110826; CA 2732547 C 20150714

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