

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)

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Citation (search report)

- [X] EP 0444914 A2 19910904 - LUCAS IND PLC [GB]
- [I] US 4056701 A 19771101 - WEBER JOHN E
- [I] US 2008164133 A1 20080710 - HAYAFUNE ISAO [JP]
- [A] EP 1406276 A1 20040407 - FUJIKURA LTD [JP]
- [A] US 2002005791 A1 20020117 - ONO SHUICHI [JP]

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

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