

Title (en)
Press-to-operate input device

Title (de)
Auf Knopfdruck betriebene Eingabevorrichtung

Title (fr)
Dispositif d'entrée de bouton-poussoir

Publication
EP 2299463 A3 20120328 (EN)

Application
EP 10176579 A 20100914

Priority
JP 2009217229 A 20090918

Abstract (en)
[origin: EP2299463A2] An input device (10) includes push switches (1) allowing depressions to shallow and deep levels. Operation keys (2) of the push switches (1) are arranged in a line and exposed in an opening (8b) of a top panel (8a). A strip-like guide surface (8d) provided on the top panel (8a) forms a top surface of a ridge (8c) and extends along the line of the operation keys (2) and along one-side ends (2a) of the operation keys (2). The strip-like guide surface (8d) allows a user's finger (F) placed thereon to depress any operation key (2). The push switches (1) are each in a shallowly depressed state when at least a central part of the one-side end (2a) of the corresponding operation key (2) is flush with or projects relative to the strip-like guide surface (8d), and in a deeply depressed state when the one-side end (2a) of the operation key (2) is below the strip-like guide surface (8d).

IPC 8 full level
H01H 13/807 (2006.01)

CPC (source: EP)
H01H 13/807 (2013.01); **H01H 2225/01** (2013.01); **H01H 2225/018** (2013.01); **H01H 2231/026** (2013.01); **H01H 2239/064** (2013.01); **H01H 2239/074** (2013.01)

Citation (search report)

- [A] US 2001003539 A1 20010614 - HAHM JIN HO [KR], et al
- [AD] JP H0576856 U 19931019
- [A] DE 4104572 A1 19910822 - YAZAKI CORP [JP]
- [A] WO 2008014110 A2 20080131 - MOTOROLA INC [US], et al

Designated contracting state (EPC)
AL 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)
BA ME RS

DOCDB simple family (publication)
EP 2299463 A2 20110323; EP 2299463 A3 20120328; EP 2299463 B1 20121226; JP 2011065938 A 20110331; JP 5345489 B2 20131120

DOCDB simple family (application)
EP 10176579 A 20100914; JP 2009217229 A 20090918