

Title (en)
Electronic control unit

Title (de)
Elektronik-Bedieneinheit

Title (fr)
Unité de commande électronique

Publication
EP 1176619 A3 20040804 (DE)

Application
EP 01113806 A 20010606

Priority
DE 20013019 U 20000727

Abstract (en)
[origin: EP1176619A2] The electronic user panel has a main holder (7) that has formed actuator elements (8) positioned near to switches (2). Push button caps (3) fit into a separate key housing (10). The caps are designed to fit into sealing layer (13) that protects against water splashes.

IPC 1-7
H01H 13/06; **H01H 9/18**; **H01H 13/70**

IPC 8 full level
H01H 13/70 (2006.01)

CPC (source: EP US)
H01H 13/70 (2013.01 - EP US); **H01H 2219/05** (2013.01 - EP); **H01H 2219/062** (2013.01 - EP); **H01H 2221/034** (2013.01 - EP); **H01H 2221/054** (2013.01 - EP); **H01H 2221/058** (2013.01 - EP); **H01H 2221/07** (2013.01 - EP); **H01H 2221/076** (2013.01 - EP); **H01H 2223/002** (2013.01 - EP); **H01H 2223/036** (2013.01 - EP); **H01H 2223/054** (2013.01 - EP); **H01H 2229/064** (2013.01 - EP); **H01H 2231/012** (2013.01 - EP); **H01H 2233/004** (2013.01 - EP); **H01H 2233/036** (2013.01 - EP); **H01H 2237/004** (2013.01 - EP)

Citation (search report)
• [XY] US 5612692 A 19970318 - DUGAS ROGER A [US], et al
• [Y] DE 19817369 A1 19981112 - MARQUARDT GMBH [DE]
• [Y] US 5362934 A 19941108 - INAGAKI JIROH [JP], et al
• [Y] DE 4319615 A1 19941215 - BRAUN AG [DE]
• [Y] US 4315114 A 19820209 - MONTI JR JAMES H
• [Y] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05 30 May 1997 (1997-05-30)
• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29) & US 6297809 B1 20011002 - ITO HIDEKI [JP]

Cited by
EP1353346A3; FR2923921A1; DE102006026910B4; EP3187647A1; EP1363302A3; EP3187648A1; AU2004205205B2; EP1511050A3; EP2581025A1; CN103046291A; US9988755B2; US8616026B2; US10954619B2; US9263208B2; WO2017114642A1; WO2016101971A1; WO2015082127A1; WO2009065767A1; US7394033B2; US7875816B2; US7915552B2; WO2017005306A1; WO2018083067A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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