

Title (en)

Key-pad for the control panel of a household appliance

Title (de)

Tastenblock zum Einsetzen in eine Bedienfläche eines Haushaltsgerätes

Title (fr)

Clavier à touches pour le panneau de commande des appareils électro-domestiques

Publication

EP 1467390 B1 20051109 (DE)

Application

EP 03029681 A 20031223

Priority

DE 10316934 A 20030412

Abstract (en)

[origin: EP1467390A1] The button block has at least one button with a cap (4) and an actuating element (5), at least one spring element and a frame (2) in which the at least one button is guided. The button cap transfers a force to the actuating element in the actuation direction via an acting surface in contact with a corresponding surface of the actuating element when operated. The cap and actuating element are not connected together, at least at their corresponding acting surfaces.

IPC 1-7

H01H 13/70

IPC 8 full level

H01H 13/70 (2006.01)

CPC (source: EP)

H01H 13/70 (2013.01); **H01H 2221/044** (2013.01); **H01H 2229/064** (2013.01)

Cited by

EP1860495A3; CN103137365A; DE102008041966A1; US7828446B2; EP2282317A1; EP2282318A1; WO2011012218A1; WO2011012219A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1467390 A1 20041013; **EP 1467390 B1 20051109**; AT E309611 T1 20051115; DE 10316934 A1 20041028; DE 10316934 B4 20071213; DE 50301612 D1 20051215; DK 1467390 T3 20060213; ES 2252612 T3 20060516

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EP 03029681 A 20031223; AT 03029681 T 20031223; DE 10316934 A 20030412; DE 50301612 T 20031223; DK 03029681 T 20031223; ES 03029681 T 20031223