

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)

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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