

Title (en)

Operating keypad, especially for vehicle air conditioning system

Title (de)

Bedientastatur, insbesondere für eine Kraftfahrzeug-Klimaanlage

Title (fr)

Clavier d'utilisation, notamment pour un dispositif de climatisation pour véhicule

Publication

EP 1004462 B1 20031126 (DE)

Application

EP 99120582 A 19991016

Priority

DE 19853753 A 19981121

Abstract (en)

[origin: EP1004462A1] The key-pad has a housing in which a circuit board is housed with electrical and electronic components. Several keys of the key-pad act on switches on the circuit board. The keys (4) are inserted onto guide plungers (10) and held inside a catch (11) which limits their movement within two stops (12,13), the switch being operated within this displacement range.

IPC 1-7

B60H 1/00; **H01H 13/70**

IPC 8 full level

G06F 3/02 (2006.01); **B60H 1/00** (2006.01); **H01H 13/70** (2006.01)

CPC (source: EP US)

H01H 13/70 (2013.01 - EP US); **H01H 2207/002** (2013.01 - EP US); **H01H 2219/01** (2013.01 - EP US); **H01H 2221/026** (2013.01 - EP US); **H01H 2221/03** (2013.01 - EP US); **H01H 2223/012** (2013.01 - EP US); **H01H 2227/036** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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DE 19853753 A 19981121; DE 59907854 T 19991016; EP 99120582 A 19991016; ES 99120582 T 19991016; JP 32278499 A 19991112; US 43564899 A 19991109