Title (en)

Input key and input apparatus

Title (de)

Eingabetaste und Eingabegerät

Title (fr)

Touche de clavier et dispositif d'entrée

Publication

EP 1538649 A3 20071212 (EN)

Application

EP 04027936 A 20041124

Priority

- JP 2003406230 A 20031204
- JP 2004024165 A 20040130
- JP 2004024193 A 20040130
- JP 2004294230 A 20041006

Abstract (en)

[origin: EP1538649A2] An input key 10 has a key top 220 which can incline, a key top supported portion 20, a key top supporting portion 30 provided on a support plate 60 and arranged to come into contact with the key top supported portion 20 during a push on the key top and to support the key top supported portion 20 so as to permit the key top 220 to incline in the contact state, at least one inclination detector 54 provided in a direction assigned an input information item, on the support plate 60 or on the key top 220, a push detector for detecting a push on the input key 10, an inclination direction detector for detecting an inclination direction of the key top 220 when a push on the input key 10 is detected, and a symbol determiner for determining an input information item on the basis of the inclination direction.

IPC 8 full level

H01H 25/04 (2006.01); **H01H 25/00** (2006.01)

CPC (source: EP)

H01H 25/008 (2013.01); **H01H 25/041** (2013.01); H01H 2201/02 (2013.01); H01H 2201/036 (2013.01); H01H 2217/032 (2013.01); H01H 2221/012 (2013.01); H01H 2239/05 (2013.01); H01H 2239/052 (2013.01)

Citation (search report)

- [X] US 6313731 B1 20011106 - VANCE SCOTT LADELL [US]
- [X] EP 1193643 A1 20020403 - NOKIA CORP [FI]

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL HR LT LV MK YU

DOCDB simple family (publication)

EP 1538649 A2 20050608; **EP 1538649 A3 20071212**; **EP 1538649 B1 20100113**; DE 602004025079 D1 20100304; ES 2337463 T3 20100426

DOCDB simple family (application)

EP 04027936 A 20041124; DE 602004025079 T 20041124; ES 04027936 T 20041124