

Title (en)

Data input device with improved tactile sensation

Title (de)

Dateneingabevorrichtung mit verbesserter Anschlagcharakteristik

Title (fr)

Dispositif d'entrée de données à sensation tactile améliorée

Publication

EP 2192604 B1 20171025 (FR)

Application

EP 09177528 A 20091130

Priority

FR 0806704 A 20081128

Abstract (en)

[origin: EP2192604A1] The device has a modulation unit for modulating forces (FO) exerted by a return spring (29) to define a peak of force at a point of travel of a rod (21) beyond which a switch is operated. The modulation unit includes a cam (20) attached to the rod. The cam includes slopes (25), high points (26) and counter-slopes (27) on which a circular element (22) i.e. spherical ball, is supported in succession when the rod is operated from a stable position to a position at which the switch is operated.

IPC 8 full level

H01H 3/50 (2006.01); **H01H 25/06** (2006.01)

CPC (source: EP US)

H01H 3/50 (2013.01 - EP US); **H01H 25/06** (2013.01 - EP US); **H01H 15/24** (2013.01 - EP US)

Citation (examination)

- EP 0004544 A2 19791017 - DEMAG AG MANNESMANN [DE]
- US 2347874 A 19440502 - BLUEMLE ARNOLD A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2192604 A1 20100602; **EP 2192604 B1 20171025**; CN 101876857 A 20101103; CN 101876857 B 20130529; FR 2939236 A1 20100604; FR 2939236 B1 20110429; US 2010133079 A1 20100603; US 8242400 B2 20120814

DOCDB simple family (application)

EP 09177528 A 20091130; CN 200911000160 A 20091130; FR 0806704 A 20081128; US 62730109 A 20091130