

Title (en)  
Multi-directional input device

Title (de)  
Mehrrichtungs-Eingabevorrichtung

Title (fr)  
Dispositif d'entrée multi-directionnel

Publication  
**EP 1710823 A2 20061011 (EN)**

Application  
**EP 06007139 A 20060404**

Priority  
JP 2005110111 A 20050406

Abstract (en)  
A biasing device for biasing to return an operating lever (10) toward a neutral direction is provided outside a housing (20). The biasing device includes a coil spring (14) through which the operating lever (10) is inserted, a first spring bearing (11a) which is provided to the operating lever (10) to receive one end of the coil spring (14), and a second spring bearing (29b) which includes a circular plate portion (29b) forming an upper surface of the housing (20) to receive the other end of the coil spring (14).

IPC 8 full level  
**H01H 25/04** (2006.01)

CPC (source: EP)  
**G05G 9/047** (2013.01); **H01H 25/04** (2013.01)

Citation (applicant)  
JP 2000243187 A 20000908 - ALPS ELECTRIC CO LTD

Cited by  
CN113168988A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1710823 A2 20061011**; JP 2006294303 A 20061026

DOCDB simple family (application)  
**EP 06007139 A 20060404**; JP 2005110111 A 20050406