

Title (en)  
INPUT APPARATUS WITH HAPTIC FEEDBACK

Title (de)  
EINGABEVORRICHTUNG MIT HAPTISCHER RÜCKMELDUNG

Title (fr)  
DISPOSITIF D'ENTRÉE AVEC INFORMATIONS HAPTIQUES EN RETOUR

Publication  
**EP 2550581 A1 20130130 (DE)**

Application  
**EP 11711037 A 20110322**

Priority  
• DE 102010019596 A 20100505  
• DE 102010012247 A 20100322  
• EP 2011001410 W 20110322

Abstract (en)  
[origin: WO2011116929A1] The input device has a printed circuit board (5) to which a plurality of coils (L1-L8) have been fitted which, together with a capacitor (C2), each form a frequency-determining element of an oscillator (1). The coils (L1-L8) are arranged so as to be distributed along a path (K), which may also be a circular path. A moving magnet portion (M) can be displaced relative to the printed circuit board (5). At least one further stationary magnet portion (M1-M8) is mounted on the printed circuit board (5), which is opposite the moving magnet portion (M).

IPC 8 full level  
**G06F 3/033** (2013.01); **G06F 3/0354** (2013.01); **G06F 3/0362** (2013.01); **H03K 17/97** (2006.01)

CPC (source: EP US)  
**G06F 3/03548** (2013.01 - EP US); **G06F 3/0362** (2013.01 - EP US); **H03K 17/97** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011116929A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011116929 A1 20110929**; CA 2793909 A1 20110929; CA 2793909 C 20151020; EP 2550581 A1 20130130; US 2013002341 A1 20130103; US 8907661 B2 20141209

DOCDB simple family (application)  
**EP 2011001410 W 20110322**; CA 2793909 A 20110322; EP 11711037 A 20110322; US 201113582006 A 20110322