

Title (en)

Electronic device including actuator for providing tactile output

Title (de)

Elektronisches Gerät mit einem Aktuator zur Bereitstellung von Tasterausgaben

Title (fr)

Dispositif électronique incluant un actionneur pour fournir une sortie tactile

Publication

EP 2416313 A1 20120208 (EN)

Application

EP 10172092 A 20100805

Priority

EP 10172092 A 20100805

Abstract (en)

An electronic device includes a base, a membrane coupled to and spaced from the base, an actuator disposed between the base and the membrane, and spaced from the membrane when the actuator is not actuated, and a controller configured to control actuation of the actuator to cause the actuator to contact the membrane.

IPC 8 full level

B06B 1/06 (2006.01); **G04G 15/00** (2006.01); **G04G 21/00** (2010.01)

CPC (source: EP)

B06B 1/0651 (2013.01); **G04G 15/00** (2013.01)

Citation (search report)

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- [I] DE 102008056751 A1 20100512 - HAHN SCHICKARD GES [DE]
- [A] JP H05288868 A 19931105 - CITIZEN WATCH CO LTD
- [A] JP H07218663 A 19950818 - RION DENSHI KK
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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2416313 A1 20120208; **EP 2416313 B1 20131106**; CA 2744717 A1 20120205; CA 2744717 C 20150519

DOCDB simple family (application)

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