

## Title (en)

Electronic mobile device seamless key/display structure

## Title (de)

Elektronische mobile Vorrichtung mit nahtloser Tasten-/Anzeigestruktur

## Title (fr)

Structure d'affichage/clé sans interruption de dispositif mobile électronique

## Publication

**EP 2485233 A1 20120808 (EN)**

## Application

**EP 11153449 A 20110204**

## Priority

EP 11153449 A 20110204

## Abstract (en)

A key/display assembly (108) includes first and second switch (216B)es, a display module (212), and a lens (122) is disposed adjacent the display module (212). The lens (122) includes a first contact region (226A), a second contact region (226B), and an inner surface that supports a first foot (234A) between the first contact region (226A) and the second contact region (226B). A first key (120A) is defined by the first switch (216A) and the first contact region (226A) and is actuated by deflecting the first contact region (226A) to actuate the first switch (216A). A second key (120B) is defined by the second switch (216B) and the second contact region (226B) and is actuated by deflecting the second contact region (226B) to actuate the second switch (216B). When actuating the first key (120A), the first foot (234A) inhibits the second contact region (226B) from actuating the second switch (216B). When actuating the second key (120B), the first foot (234A) inhibits the first contact region (226A) from actuating the first switch (216A).

## IPC 8 full level

**H01H 13/84** (2006.01)

## CPC (source: EP)

**H01H 13/84** (2013.01); **H01H 2217/012** (2013.01); **H01H 2219/066** (2013.01); **H01H 2221/09** (2013.01); **H01H 2225/01** (2013.01); **H01H 2239/03** (2013.01)

## Citation (search report)

- [Y] WO 2008014110 A2 20080131 - MOTOROLA INC [US], et al
- [Y] US 2008237013 A1 20081002 - SHIBUYA SEIJI [JP], et al
- [Y] EP 1460821 A2 20040922 - SAMSUNG ELECTRONICS CO LTD [KR]

## Cited by

EP2535914A1; US8955995B2

## 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

## Designated extension state (EPC)

BA ME

## DOCDB simple family (publication)

**EP 2485233 A1 20120808**; **EP 2485233 B1 20160420**; CA 2765689 A1 20120804; CA 2765689 C 20151020; CN 103095873 A 20130508; CN 103095873 B 20160224

## DOCDB simple family (application)

**EP 11153449 A 20110204**; CA 2765689 A 20120127; CN 201210019582 A 20120121