

Title (en)  
 DEVICE FOR CAPACITIVE DETECTION WITH ARRANGEMENT OF LINKING TRACKS, AND METHOD IMPLEMENTING SUCH A DEVICE

Title (de)  
 VORRICHTUNG FÜR KAPAZITIVE ERFASSUNG MIT EINER ANORDNUNG ZUM VERBINDEN VON SPUREN SOWIE VERFAHREN ZUR VERWENDUNG EINER SOLCHEN VORRICHTUNG

Title (fr)  
 DISPOSITIF DE DETECTION CAPACITIVE AVEC ARRANGEMENT DE PISTES DE LIAISON, ET PROCEDE METTANT EN OEUVRE UN TEL DISPOSITIF

Publication  
**EP 2842018 A1 20150304 (FR)**

Application  
**EP 13721285 A 20130416**

Priority  

- FR 1253820 A 20120425
- EP 2013057900 W 20130416

Abstract (en)  
 [origin: WO2013160151A1] The invention relates to a man-machine interface device exhibiting a transparent detection zone and an access zone, this device comprising: - a surface of electrodes made of a material which is transparent and conducting in the detection zone, - conducting connection tracks disposed in the access zone and connected to the surface of electrodes, - a first conducting surface made of a transparent material, present in the transparent zone, and used as guard for the electrodes surface. The conducting connection tracks are disposed sandwich-like between a second and a third conducting surface used as second and third guards for these conducting connection tracks. The device also comprises linking tracks made of a transparent conducting material for linking the conducting connection tracks to electrodes of the electrodes surface, these linking tracks being: - positioned between the electrodes when these linking tracks are situated on the detection surface, and - positioned between the second and third guards when these linking tracks are situated in the access zone.

IPC 8 full level  
**G06F 3/044** (2006.01); **G06F 3/041** (2006.01)

CPC (source: CN EP KR US)  
**G06F 3/0416** (2013.01 - EP US); **G06F 3/04166** (2019.04 - KR); **G06F 3/0418** (2013.01 - CN KR); **G06F 3/044** (2013.01 - CN); **G06F 3/0443** (2019.04 - EP US); **G06F 3/0444** (2019.04 - KR); **G06F 3/0446** (2019.04 - EP US); **G06F 3/0484** (2013.01 - EP KR US); **G06F 2203/04104** (2013.01 - KR US); **G06F 2203/04107** (2013.01 - CN EP KR US); **G06F 2203/04108** (2013.01 - CN EP KR US)

Citation (search report)  
 See references of WO 2013160151A1

Citation (examination)  

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- US 2010163394 A1 20100701 - TANG TUNG-YANG [TW], et al
- FR 2756048 A1 19980522 - NANOTEC INGENIERIE [FR]
- US 2011227847 A1 20110922 - YOSHIYAMA ATSUSHI [JP]
- US 2010287470 A1 20101111 - HOMMA FUMINORI [JP], et al

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

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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 2013057900 W 20130416**; CN 201380021798 A 20130416; CN 201380022039 A 20130424; CN 201710145477 A 20130416; EP 13721285 A 20130416; EP 13723682 A 20130424; EP 16170975 A 20130424; EP 2013058428 W 20130424; FR 1253820 A 20120425; FR 1353417 A 20130416; JP 2015507470 A 20130416; JP 2015507506 A 20130424; JP 2018007011 A 20180119; KR 20147030605 A 20130416; KR 20147032573 A 20130424; US 201314115008 A 20130416; US 201314396599 A 20130424