

Title (en)

USER INTERFACE FOR WHITE GOODS AND ASSOCIATED MULTI-CHANNEL PROXIMITY SENSORS

Title (de)

BENUTZERSCHNITTSTELLE FÜR WEISSE WAREN UND ZUGEHÖRIGE MEHRKANALIGE NÄHERUNGSSENSOREN

Title (fr)

INTERFACE UTILISATEUR POUR PRODUITS BLANCS ET CAPTEURS DE PROXIMITÉ À CANAUX MULTIPLES ASSOCIÉS

Publication

**EP 2979036 A4 20160921 (EN)**

Application

**EP 14773670 A 20140328**

Priority

- US 201361806414 P 20130329
- US 2014032109 W 20140328

Abstract (en)

[origin: WO2014160908A2] A touch sensor including a housing, a light guide mounted in the housing the light guide including an aperture through which light exits and enters the light guide, and an inner surface facing the interior of the housing, the sensor further includes two light emitters mounted in the housing for emitting light beams into the light guide that exit the aperture at diverging angles and a light receiver mounted in the housing for receiving reflected light beams entering the aperture at an angle of incidence different than the diverging angles.

IPC 8 full level

**F24C 15/18** (2006.01); **G06F 3/0362** (2013.01); **G06F 3/042** (2006.01); **H03K 17/96** (2006.01); **G02B 6/00** (2006.01)

CPC (source: EP)

**F24C 7/083** (2013.01); **F25D 23/028** (2013.01); **F25D 27/00** (2013.01); **G06F 3/0362** (2013.01); **G06F 3/0421** (2013.01); **H03K 17/943** (2013.01); **H03K 17/9629** (2013.01); **H03K 17/9631** (2013.01); **H03K 17/9638** (2013.01); **F25D 23/126** (2013.01); **F25D 2327/001** (2013.01); **F25D 2400/361** (2013.01); **G06F 2203/0339** (2013.01); **H03K 2217/94108** (2013.01); **H03K 2217/94111** (2013.01); **H03K 2217/94114** (2013.01); **H03K 2217/96066** (2013.01)

Citation (search report)

- [X1] US 2010295773 A1 20101125 - ALAMEH RACHID [US], et al
- [X1] US 2010245289 A1 20100930 - SVAJDA MIROSLAV [US]
- See references of WO 2014160908A2

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 2014160908 A2 20141002**; **WO 2014160908 A3 20141204**; EP 2979036 A2 20160203; EP 2979036 A4 20160921

DOCDB simple family (application)

**US 2014032109 W 20140328**; EP 14773670 A 20140328