

Title (en)

Household device with fill level sensor and method for determining a status parameter in a household appliance

Title (de)

Hausgerät mit Füllstandssensor und Verfahren zum Bestimmen eines Zustandsparameters in einem Hausgerät

Title (fr)

Appareil ménager doté d'un capteur de niveau de remplissage et procédé de détermination d'un paramètre d'état dans un appareil ménager

Publication

**EP 2418315 A3 20160706 (DE)**

Application

**EP 11174490 A 20110719**

Priority

DE 102010038668 A 20100729

Abstract (en)

[origin: EP2418315A2] The domestic appliance (9) comprises a level sensor, which has an optical level sensor (1). The optical level sensor comprises a light guide (2), which is partially wettable with liquid (F), and a light source (4), which is coupled in by the light (S) in the light guide. A light sensor (7) is provided for detecting light outcoupled from the light guide. An independent claim is also included for a method for determining a status parameter, particularly filling level of a liquid in a domestic appliance.

IPC 8 full level

**D06F 39/08** (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP US)

**D06F 39/087** (2013.01 - EP US); **A47L 15/4244** (2013.01 - EP); **D06F 2103/18** (2020.02 - EP US)

Citation (search report)

- [XAY] EP 1557651 A1 20050727 - ELECTROLUX HOME PROD CORP [BE]
- [XAY] DE 102007012166 A1 20080918 - AWECO APPLIANCE SYS GMBH & CO [DE]
- [XA] FR 2451023 A1 19801003 - BOSCH SIEMENS HAUSGERAETE [DE]
- [IY] DE 19936574 A1 20010208 - SCHRODT STEPHAN [DE]
- [Y] US 6292966 B1 20010925 - LIM HYONG-TACK [KR], et al

Cited by

DE102018107590A1; DE102013101890B4; CN114108232A; DE202013100833U1; DE202013100830U1; EP3524125A1; CN110074737A; IT201800001818A1; DE102018107590B4; EP2770307A1; DE102013101890A1; EP2770308A1; DE102013101889A1; US11202347B2

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 2418315 A2 20120215; EP 2418315 A3 20160706; EP 2418315 B1 20191225;** DE 102010038668 A1 20120202

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**EP 11174490 A 20110719;** DE 102010038668 A 20100729