

Title (en)

HOUSEHOLD APPLIANCE HAVING LIGHT SOURCE

Title (de)

HAUSHALTSGEÄRT MIT LICHTQUELLE

Title (fr)

APPAREIL MÉNAGER AVEC SOURCE DE LUMIÈRE

Publication

EP 3237670 B1 20210414 (EN)

Application

EP 15813120 A 20151210

Priority

- CN 201410828992 A 20141226
- IB 2015059512 W 20151210

Abstract (en)

[origin: WO2016103095A1] The present invention discloses a household appliance, including a housing (2) that forms an appearance body of the household appliance, where the housing has an opening portion (3), the household appliance further includes a cover (4, 8, 10) that is movably disposed on the housing to open or close the opening portion and forms a part of appearance of the household appliance, a light source (14, 140, 1400) is provided on the housing, and a light guide element (16, 16a, 16b, 1610) is provided on the cover (4, 8, 10), where the light source (14, 140, 1400) is fixed on the housing (2), and a light receiving end (161, 161a, 161b, 1610) of the light guide element (16, 16a, 16b, 1610) passes through a movement gap between the cover (4, 8, 10) and the housing (2) to approach or connect to the light source (14, 140, 1400). Therefore, this wire is fixed in the housing (2), and does not frequently move as the cover moves, thereby avoiding occurrence of fatigue wear.

IPC 8 full level

D06F 34/28 (2020.01); **A47L 15/42** (2006.01); **D06F 34/32** (2020.01); **D06F 39/12** (2006.01); **D06F 39/14** (2006.01); **F21V 33/00** (2006.01);
F24C 15/00 (2006.01); **F25D 27/00** (2006.01)

CPC (source: EP RU US)

D06F 34/32 (2020.02 - EP RU US); **F21V 33/00** (2013.01 - EP); **F21V 33/0044** (2013.01 - EP US); **F25D 27/00** (2013.01 - EP);
A47L 15/4251 (2013.01 - EP); **A47L 15/4257** (2013.01 - EP); **D06F 39/12** (2013.01 - EP RU US); **F24C 15/00** (2013.01 - EP);
F25D 2323/024 (2013.01 - EP)

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 2016103095 A1 20160630; CN 105782805 A 20160720; EP 3237670 A1 20171101; EP 3237670 B1 20210414;
RU 2017125474 A 20190128; RU 2017125474 A3 20190128; RU 2685880 C2 20190423

DOCDB simple family (application)

IB 2015059512 W 20151210; CN 201410828992 A 20141226; EP 15813120 A 20151210; RU 2017125474 A 20151210