

Title (en)  
LIGHTING SYSTEM FOR A HOUSEHOLD APPLIANCE

Title (de)  
BELEUCHTUNGSSYSTEM FÜR EIN HAUSHALTSGERÄT

Title (fr)  
SYSTÈME D'ÉCLAIRAGE POUR UN APPAREIL MÉNAGER

Publication  
**EP 3771291 A1 20210127 (EN)**

Application  
**EP 19187656 A 20190722**

Priority  
EP 19187656 A 20190722

Abstract (en)  
A method of controlling illumination in a household appliance (40) including receiving ranging measurement data from each of a plurality of distance sensors (101, 102, 103) arranged at fixed positions relative to the appliance. The ranging measurement data indicates a distance reading taken by the respective distance sensor. The position of an object relative to the appliance can be determined from the received ranging measurement data, and at least one area (401-1, 401-2, 401-3) of the appliance can be identified based on the determined position of the object. A control signal to adjust the illumination of the identified area is then transmitted to at least one of a plurality of lighting devices (20-1, 20-2, 20-3) of the appliance.

IPC 8 full level  
**F24C 15/00** (2006.01)

CPC (source: EP)  
**F24C 15/008** (2013.01); **F25D 27/005** (2013.01); **H05B 47/105** (2020.01); **F21W 2131/305** (2013.01); **F24C 7/082** (2013.01); **F25D 2700/06** (2013.01)

Citation (applicant)  
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Citation (search report)  
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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 3771291 A1 20210127; EP 3771291 B1 20221214; WO 2021013195 A1 20210128**

DOCDB simple family (application)  
**EP 19187656 A 20190722; CN 2020103585 W 20200722**