

Title (en)

METERING DEVICE FOR A DISHWASHING MACHINE HAVING AN OPTICAL TRANSMITTER AND/OR RECEIVER UNIT

Title (de)

DOSIERGERÄT FÜR EINE GESCHIRRSPÜLMASCHINE MIT OPTISCHER SENDE- UND/ODER EMPFANGSEINHEIT

Title (fr)

APPAREIL DE DOSAGE POUR UN LAVE-VAISSELLE DOTÉ D'UNE UNITÉ D'ÉMISSION ET/OU DE RÉCEPTION OPTIQUE

Publication

**EP 2528487 B1 20170329 (DE)**

Application

**EP 11701983 A 20110126**

Priority

- DE 102010031621 A 20100721
- EP 2011051040 W 20110126

Abstract (en)

[origin: WO2012010330A1] The invention relates to a metering device (2) intended to be placed in the interior of a dishwashing machine (38), in particular by a user, comprising at least one metering device-side interface (Ed, Sd) having at least one optical receiver unit (Ed) and/or transmitter unit (Sd), which interacts with at least one corresponding optical receiver unit (Ed) and/or transmitter unit (Sd) configured in or on a dishwashing machine such that a transmission of optical signals, representing in particular operating states, measuring and/or control information of the metering device (2) and/or of the dishwashing machine (38), is achieved between the dishwashing machine (38) and the metering device (2), and the metering device-side transmitter unit (Sd) in the operating position of the metering device (2) transmits optical signals substantially in the direction of the bottom of the dishwashing machine (38).

IPC 8 full level

**A47L 15/00** (2006.01); **A47L 15/44** (2006.01)

CPC (source: EP)

**A47L 15/006** (2013.01); **A47L 15/4454** (2013.01); **A47L 15/4463** (2013.01); **A47L 15/449** (2013.01); **A47L 2401/10** (2013.01);  
**A47L 2401/30** (2013.01)

Citation (examination)

DE 102005013155 A1 20060928 - RAPP PETER [DE]

Cited by

US10488332B2

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)

**DE 102010031621 A1 20120126**; EP 2528487 A1 20121205; EP 2528487 B1 20170329; ES 2627702 T3 20170731; HU E032651 T2 20171030;  
PL 2528487 T3 20170929; WO 2012010330 A1 20120126

DOCDB simple family (application)

**DE 102010031621 A 20100721**; EP 11701983 A 20110126; EP 2011051040 W 20110126; ES 11701983 T 20110126;  
HU E11701983 A 20110126; PL 11701983 T 20110126