

Title (en)  
DISHWASHING MACHINE

Title (de)  
GESCHIRRSPÜLMASCHINE

Title (fr)  
LAVE-VAISSELLE

Publication  
**EP 2976982 A1 20160127 (EN)**

Application  
**EP 14768212 A 20140318**

Priority  
• JP 2013059515 A 20130322  
• JP 2014001533 W 20140318

Abstract (en)  
A dish washing machine includes the following elements: a main body (1); a washing tank (2); a tableware basket (3) for holding target objects to be washed; a washing device for spraying washing water onto the target objects; an atomizer (4) for atomizing the washing water; a door (12); a detergent automatic insertion device (15); and a controller (10) for performing at least a pre-washing step, an atomizing step, and a washing step. After the pre-washing step, the controller (10) causes the detergent automatic insertion device (15) to supply detergent to the atomizer (4), and controls and performs the atomizing step and the washing step. Thus, after the pre-washing step, the step of atomizing a detergent solution can be performed. This enables the dish washing machine to reduce the amount of detergent to be used and to exert high washing performance through the step of atomizing the detergent solution at the same time.

IPC 8 full level  
**A47L 15/44** (2006.01)

CPC (source: EP US)  
**A47L 15/0055** (2013.01 - EP US); **A47L 15/44** (2013.01 - EP US); **A47L 15/449** (2013.01 - US); **A47L 15/46** (2013.01 - US);  
**A47L 15/0081** (2013.01 - EP US); **A47L 2401/20** (2013.01 - EP US); **A47L 2501/07** (2013.01 - EP US); **A47L 2501/36** (2013.01 - EP US)

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 2976982 A1 20160127**; **EP 2976982 A4 20160127**; CN 104918532 A 20150916; JP 6295441 B2 20180320; JP WO2014148042 A1 20170216;  
TW 201507684 A 20150301; US 2015374201 A1 20151231; WO 2014148042 A1 20140925

DOCDB simple family (application)  
**EP 14768212 A 20140318**; CN 201480005304 A 20140318; JP 2014001533 W 20140318; JP 2015506607 A 20140318;  
TW 103110137 A 20140318; US 201414768968 A 20140318