

Title (en)  
DISH WASHER

Title (de)  
GESCHIRRSPÜLER

Title (fr)  
LAVE-VAISSELLE

Publication  
**EP 3352638 A4 20181017 (EN)**

Application  
**EP 16866649 A 20161116**

Priority  
• KR 20150160744 A 20151116  
• KR 2016013222 W 20161116

Abstract (en)  
[origin: US2017135552A1] The spray nozzle of a dish washer comprises a nozzle port and a guide unit provided on an outside of the nozzle port, the guide unit being provided with a slide surface extended at an inner circumferential surface of the nozzle port. Water flow having a water screen shape can be sprayed from the spray nozzle.

IPC 8 full level  
**A47L 15/00** (2006.01); **A47L 15/16** (2006.01); **A47L 15/23** (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP US)  
**A47L 15/23** (2013.01 - EP US); **A47L 15/4261** (2013.01 - US); **A47L 15/4278** (2013.01 - EP US); **A47L 15/4285** (2013.01 - US); **A47L 15/4297** (2013.01 - US); **A47L 15/507** (2013.01 - US); **A47L 15/0021** (2013.01 - EP US); **A47L 2401/10** (2013.01 - US); **A47L 2501/30** (2013.01 - US)

Citation (search report)  
• [X] DE 102011002938 A1 20120726 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• [X] DE 1628813 A1 19700716 - STIERLEN WERKE AG  
• [X] EP 0679365 A1 19951102 - CONST ELBEUVIENNES DE MATERIAL [FR]  
• [X] EP 2789285 A1 20141015 - BSH BOSCH & SIEMENS HAUSGERAETE GMBH [DE]  
• [X] DE 102011002609 A1 20120719 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• [X] DE 102010043019 A1 20120503 - BSH BOSCH SIEMENS HAUSGERAETE [DE]  
• See references of WO 2017086697A1

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)  
**US 2017135552 A1 20170518**; CN 108024686 A 20180511; EP 3352638 A1 20180801; EP 3352638 A4 20181017;  
KR 20170057088 A 20170524; WO 2017086697 A1 20170526

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**US 201615351902 A 20161115**; CN 201680054352 A 20161116; EP 16866649 A 20161116; KR 20150160744 A 20151116;  
KR 2016013222 W 20161116