

Title (en)

LIQUID SPRAYER FOR A DISHWASHER AND DISHWASHER

Title (de)

FLÜSSIGKEITSZERSTÄUBER FÜR EINEN GESCHIRRSPÜLER SOWIE GESCHIRRSPÜLER

Title (fr)

PULVÉRISATEUR DE LIQUIDE POUR LAVE-VAISSELLE ET LAVE-VAISSELLE

Publication

EP 4186407 A1 20230531 (EN)

Application

EP 21210399 A 20211125

Priority

EP 21210399 A 20211125

Abstract (en)

A liquid sprayer (4) for a dishwasher comprises a drive arm (16), with a base connector (20) for attaching the drive arm (16) to a base body (13) so that it can rotate about a base axis (18), a spray arm (17) with a spray arm connector (23) that attaches the spray arm to the drive arm (17) so that it can rotate about a spray arm axis (19), wherein the spray arm axis (19) is spaced apart from the base axis (18) and at least one spraying nozzle (30, 30a) for dispensing washing liquid, and a transmission device (31) which couples a rotational movement of the drive arm (16) about the base axis (18) to a rotational movement of the spray arm (17) about the spray arm axis (19), wherein the drive arm (16) comprises at least one drive nozzle (29) for driving the drive arm (16) in rotation about the base axis (18), and wherein the transmission device (31) couples the rotational movements of the drive arm (16) and the spray arm (17) such that a drive arm rotation rate (ω_{D}) is in absolute values at least as large as a spray arm rotation rate (ω_{S}).

IPC 8 full level

A47L 15/23 (2006.01)

CPC (source: EP)

A47L 15/23 (2013.01)

Citation (applicant)

WO 2020057821 A1 20200326 - ARCELIK AS [TR]

Citation (search report)

- [A] US 5464482 A 19951107 - MICHAEL DARYL A [US], et al
- [A] JP H05130964 A 19930528 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 10667668 B2 20200602 - WELCH RODNEY M [US]
- [A] US 2017150866 A1 20170601 - FEDDEMA MARK S [US]
- [A] JP H0631646 U 19940426

Cited by

WO2023094447A1

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)

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Designated validation state (EPC)

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DOCDB simple family (application)

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