

Title (en)
Revolving sprinkling assembly for dishwasher

Title (de)
Drehende Sprüheinrichtung für Geschirrspülmaschine

Title (fr)
Ensemble d'arrosage tournant pour lave vaisselle

Publication
EP 2898810 A1 20150729 (EN)

Application
EP 14425005 A 20140128

Priority
EP 14425005 A 20140128

Abstract (en)
A revolving sprinkling assembly for dishwasher comprises a sprinkler (1) mounted on a socket (2), arranged at the outlet of a water supply duct, through an eccentric connector (4) having a water inlet (5a) that is out of axis with respect to a water outlet (6a), the sprinkler (1) being rotatably mounted on the eccentric connector (4) so as to rotate around an axis (X) coaxial with the water outlet (6a) and the eccentric connector (4) being in turn rotatably mounted on the socket (2) so as to rotate around an axis (Y) coaxial with the water inlet (5a), a gear (7) coaxial with the rotation axis (X) of the sprinkler being driven into rotation by the latter and engaging a fixed toothed crown (8) coaxial with the socket (2). In this way, the sprinkler (1) performs a planetary motion for an effective washing of the dishes with a reduction in cost, bulkiness, noise and water and power consumption with respect to a prior art planetary sprinkling assembly.

IPC 8 full level
A47L 15/23 (2006.01)

CPC (source: EP)
A47L 15/23 (2013.01)

Citation (applicant)
IT 1263057 B 19960724 - SMEG SPA

Citation (search report)
• [XAI] EP 1882435 A1 20080130 - ELECTROLUX HOME PROD CORP [BE]
• [A] EP 2612585 A1 20130710 - SAMSUNG ELECTRONICS CO LTD [KR]

Cited by
CN106264399A; US2017354312A1; US10660499B2; EP3403564A1; WO2018045807A1; WO2020036558A3

Designated contracting state (EPC)
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Designated extension state (EPC)
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