

Title (en)

Improved multistage rinsing module for tunnel dishwashers, and a tunnel dishwasher provided with such a module

Title (de)

Verbessertes mehrstufiges Spülmodul für Tunnelgeschirrspüler und Tunnelgeschirrspüler mit solch einem Modul

Title (fr)

Module de rinçage multi-étages amélioré pour lave-vaisselle tunnel et lave-vaisselle tunnel équipé d'un tel module

Publication

EP 2881028 A1 20150610 (EN)

Application

EP 14198104 A 20120713

Priority

- IT MI20111324 A 20110715
- EP 12176400 A 20120713

Abstract (en)

Multistage rinsing module (10) for tunnel dishwashers (100) of the type comprising in succession from upstream to downstream following the movement of the dishes three independent zones, respectively: - a draining zone (11) of the dishes full of detergent supplied in said module (10), - a pre-rinsing zone (12) of said drained dishes, - a final rinsing zone (13) of said drained and pre-rinsed dishes; wherein - said final rinsing zone (13) being provided with rinsing nozzles (14) for delivering net water (15); - said pre-rinsing zone (12) being provided with pre-rinsing nozzles (16) for delivering a pre-rinsing solution (17); said pre-rinsing solution (17) consisting exclusively of the net water (15) delivered by said rinsing nozzles (14) and the substances removed from the dishes; - said draining zone (11) being provided with draining nozzles (19) for delivering the draining solution (20); said draining solution (21) consisting exclusively of the pre-rinsing solution (17) delivered by said pre-rinsing nozzles (16) and the substances removed from the dishes; said draining nozzles (19) being configured so as to deliver said draining solution (20) at a flow-rate and a speed that are greater with respect to the pre-rinsing solution (17) and to the net water (15) delivered by said pre-rinsing nozzles (16) and by said rinsing nozzles (14).

IPC 8 full level

A47L 15/24 (2006.01)

CPC (source: EP)

A47L 15/241 (2013.01); **A47L 15/247** (2013.01); **A47L 15/4291** (2013.01)

Citation (applicant)

- EP 1815779 A2 20070808 - PREMARK FEG LLC [US]
- WO 2010144307 A1 20101216 - PREMARK FEG LLC [US], et al

Citation (search report)

- [AD] EP 1815779 A2 20070808 - PREMARK FEG LLC [US]
- [A] DE 4100164 C1 19920430
- [A] EP 1042983 A1 20001011 - WEIGERT CHEM FAB [DE]
- [AD] WO 2010144307 A1 20101216 - PREMARK FEG LLC [US], et al
- [A] EP 0838190 A2 19980429 - PREMARK FEG LLC [US]

Cited by

EP2545839B2

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)

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