

Title (en)

Waste water heat exchanger for a dishwasher and dishwasher

Title (de)

Abwasserwärmetauscher für Geschirrspülmaschinen sowie Geschirrspülmaschine

Title (fr)

Echangeur de chaleur d'eaux usées pour lave-vaisselle ainsi que lave-vaisselle

Publication

**EP 2614764 A2 20130717 (DE)**

Application

**EP 13150953 A 20130111**

Priority

DE 102012000455 A 20120112

Abstract (en)

The heat exchanger has channel forming plates (102,104,106,108) that are made of plastic material. The side open channels (322,324,326,342,344,346) are placed on side of channel forming plates and provided with outlet opening and inlet opening. The heat transfer plates (203,205,207) are made of metallic material, or thermally conductive plastic. The channel forming plates and heat transfer plates are arranged such that open side of channel is arranged opposite to open side of another channel, and open sides of channels are closed by heat transfer plate.

Abstract (de)

Die vorliegende Erfindung betrifft einen Abwasserwärmetauscher (10) für Geschirrspülmaschinen, insbesondere gewerbliche Geschirrspülmaschinen, der mindestens zwei Kanalförmplatten (102, 104, 106, 108) und mindestens eine Wärmeübergangsplatte umfasst (203, 205, 207), wobei die Kanalförmplatten (102, 104, 106, 108) aus Kunststoff und die Wärmeübergangsplatten (203, 205, 207) aus Metall oder wärmeleitfähigen Kunststoff bestehen.

IPC 8 full level

**A47L 15/42** (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

**A47L 15/4291** (2013.01); **F28D 9/0037** (2013.01); **F28D 21/0012** (2013.01); **F28F 21/065** (2013.01); **A47L 15/4214** (2013.01)

Citation (applicant)

EP 0689791 A1 19960103 - PREMARK FEG CORP [US]

Cited by

CN106714645A; EP3074710A4; NL2016347B1; EP3988884A1; NL2027649A; WO2016048945A1; WO2017150975A1; US9986886B2; US10610081B2; WO2022084279A1; US9289107B2; US10314461B2; US10349803B2; US11191419B2; WO2024041071A1; EP4261487A1; WO2023198446A1; WO2022180151A1

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 2614764 A2 20130717; EP 2614764 A3 20170329**

DOCDB simple family (application)

**EP 13150953 A 20130111**