

Title (en)

DEVICE AND METHOD FOR COLLECTING WASTE WATER IN DISHWASHERS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUFFANGEN VON SCHMUTZWASSER IN GESCHIRRSPÜLMASCHINEN

Title (fr)

DISPOSITIF ET PROCEDE POUR RECUEILLIR DES EAUX USEES DANS DES LAVE-VAISSELLE

Publication

EP 1460926 A1 20040929 (DE)

Application

EP 02791721 A 20021126

Priority

- DE 10164507 A 20011228
- EP 0213316 W 20021126

Abstract (en)

[origin: WO03055374A1] The aim of the invention is to provide a device and a method for collecting waste water in dishwashers, which facilitate a reliable separation of waste water that contains food residues, in order to substantially reduce the water consumption of a dishwasher. This is achieved by a device for collecting waste water in dishwashers comprising a pump well (1) and a sump section (2), which is located on the underside of said well and is connected to the latter (1) via an inflow section (5). The waste water flows from the pump well (1) into the sump section (2) via the inflow section (5) and can be blocked by means of a valve (3). The aim is also achieved by an inventive method for collecting waste water in dishwashers, in particular using the inventive device for collecting waste water in dishwashers, whereby the waste water accumulates in a pump well (1), which is connected to a sump section located on its underside (2) by means of a valve (3) in an inflow section (5) and said valve (3) can be opened or blocked according to requirements in order to permit at least part of the waste water to flow into the sump section (2), at least said part of the waste water thus collected being evacuated using a liquor pump or circulating pump (7).

IPC 1-7

A47L 15/42

IPC 8 full level

A47L 15/42 (2006.01)

CPC (source: EP KR US)

A47L 15/42 (2013.01 - KR); **A47L 15/4225** (2013.01 - EP US); **A47L 15/46** (2013.01 - KR); **A47L 15/4246** (2013.01 - EP US)

Citation (search report)

See references of WO 03055374A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03055374 A1 20030710; AT E553687 T1 20120515; AU 2002358048 A1 20030715; CN 1268280 C 20060809; CN 1607923 A 20050420; DE 10164507 A1 20030717; EP 1460926 A1 20040929; EP 1460926 B1 20120418; ES 2383355 T3 20120620; JP 2005512717 A 20050512; JP 4219275 B2 20090204; KR 20040068977 A 20040802; US 2005011539 A1 20050120; US 2010037917 A1 20100218; US 7597108 B2 20091006; US 7842136 B2 20101130

DOCDB simple family (application)

EP 0213316 W 20021126; AT 02791721 T 20021126; AU 2002358048 A 20021126; CN 02826272 A 20021126; DE 10164507 A 20011228; EP 02791721 A 20021126; ES 02791721 T 20021126; JP 2003555953 A 20021126; KR 20047009946 A 20021126; US 54283509 A 20090818; US 87992904 A 20040628