

Title (en)

DEVICE FOR IMPROVING THE DRYING PERFORMANCE OF A DISHWASHER

Title (de)

EINRICHTUNG ZUR VERBESSERUNG DER TROCKNUNGSLEISTUNG EINER GESCHIRRSPÜLMASCHINE

Title (fr)

DISPOSITIF DESTINE A AMELIORER LA CAPACITE DE SECHAGE D'UN LAVE-VAISSELLE

Publication

EP 1345526 B2 20230301 (DE)

Application

EP 01982433 A 20011015

Priority

- DE 10056489 A 20001115
- EP 0111902 W 20011015

Abstract (en)

[origin: WO0239870A1] The invention relates to a device for improving the drying performance of a dishwasher which is fitted with at least one crockery basket and which is operated by means of cleaning programmes comprising a partial drying programme and a partial rinsing programme. According to the invention, means are adapted to an insert for receiving pieces of cutlery and/or small crockery, and are used to drain off drops of rinsing liquid from problem areas of the insert. Said means enable drops of liquid to drain off independently, and stop unwanted marks from forming on the pieces of cutlery and/or the small crockery during the drying process, resulting in an improved drying performance and a shorter drying phase compared to known devices. A particularly advantageous variation of the means relates to an insert comprising through holes (9) for the rinsing liquid, said through holes being defined by cross members (1, 2, 3, 4) which intersect each other at points of intersection (5, 6, 7, 8) in one plane. Said cross members are inclined in such a way that they respectively have a diamond-shaped cross-section. An alternative thereto involves the embodiment of the means as an insert, respectively comprising compartments (16, 17, 18) which are divided by separating walls (19, 20). At least two of said insert compartments (16, 17; 17, 18) comprise bottoms (16', 17', 18') which are arranged at various levels in order to adapt to various pieces of cutlery (14, 15) and/or small crockery.

IPC 8 full level

A47L 15/50 (2006.01)

CPC (source: EP US)

A47L 15/50 (2013.01 - EP US); **A47L 15/502** (2013.01 - EP US)

Citation (opposition)

Opponent :

- WO 0012142 A1 20000309 - RILEY MEDICAL INC [US]
- WO 9531222 A1 19951123 - DOUGLAS BEAN AUSTRALIA PTY LTD [AU], et al
- EP 0966913 A2 19991229 - MIELE & CIE [DE]
- EP 0186157 A1 19860702 - MIELE & CIE [DE]
- US 4192432 A 19800311 - JORDAN LAWRENCE J [US]
- US 3665943 A 19720530 - LAMPMAN WILLIAM T, et al
- DE 9016743 U1 19910228
- EP 0488093 A1 19920603 - MERLONI ELETTRODOMESTICI SPA [IT]
- US 5086544 A 19920211 - HUETTEMANN WILFRIED [DE], et al
- GB 425359 A 19350313 - CLARA FARNFIELD
- FR 2401646 A1 19790330 - ESSWEIN SA [FR]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0239870 A1 20020523; AT E514371 T1 20110715; DE 10056489 A1 20020523; EP 1345526 A1 20030924; EP 1345526 B1 20110629; EP 1345526 B2 20230301; EP 2324753 A1 20110525; EP 2324753 B1 20160817; ES 2367100 T3 20111028; ES 2367100 T5 20230428; US 2004031508 A1 20040219; US 7621287 B2 20091124

DOCDB simple family (application)

EP 0111902 W 20011015; AT 01982433 T 20011015; DE 10056489 A 20001115; EP 01982433 A 20011015; EP 10178302 A 20011015; ES 01982433 T 20011015; US 43755003 A 20030513