

Title (en)

Device for fine filtering the washing liquid in a dishwasher

Title (de)

Vorrichtung zum Filtern von Waschflüssigkeit in einem Geschirrspüler

Title (fr)

Dispositif de filtration du liquide de lavage dans un lave-vaisselle

Publication

EP 0976359 B1 20041103 (EN)

Application

EP 98830456 A 19980728

Priority

EP 98830456 A 19980728

Abstract (en)

[origin: EP0976359A1] Device for fine filtering the washing liquid in a dishwasher, comprising a wash compartment (1) to contain the objects to be washed, a pump (25) for re-circulating the liquid by collecting it from the bottom (9) of the wash compartment (1) and admitting it into the latter by means of a plurality of nozzles (6), a drainage pump (29) to drain the liquid out of the wash compartment at the end of the washing and/or rinsing cycle, the said bottom (9) of the wash compartment (1) including a primary grille (10) and a perforated vessel (11) in order to allow the liquid to pass through to the said re-circulation pump but retain the large particles of dirt removed from the objects to be washed. The device additionally comprises, for collection of the liquid from the bottom (9) of the wash compartment (1), a first chamber (12) positioned below the said primary grille (10) and at least partially surrounding the said perforated vessel (11), a second chamber (14) which communicates freely with the said first chamber (12) and contains filtering elements (16) designed to retain fine particles of dirt, and a third chamber (17) which communicates on one hand with the said second chamber (14), around the said filtering elements (16) of the latter, and on the other hand with the suction duct (24) of the said recirculation pump (25), the said second chamber (14) also being in communication with the suction duct (28) of the said drainage pump (29) via apertures (27) without filtering elements. <IMAGE>

IPC 1-7

A47L 15/42

IPC 8 full level

A47L 15/42 (2006.01)

CPC (source: EP)

A47L 15/4206 (2013.01); **A47L 15/4208** (2013.01)

Cited by

US7935195B2; CN108498046A; CN106061348A; JP2019030516A; DE102005008987B3; US10244918B2; DE102007007134A1; US8746461B2

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0976359 A1 20000202; **EP 0976359 B1 20041103**; DE 69827378 D1 20041209; DE 69827378 T2 20051124

DOCDB simple family (application)

EP 98830456 A 19980728; DE 69827378 T 19980728