

Title (en)

Shunt drain system

Title (de)

Nebenabflusssystem

Title (fr)

Système d'évacuation à déviation

Publication

EP 0913119 A1 19990506 (EN)

Application

EP 98117020 A 19980909

Priority

US 95941397 A 19971028

Abstract (en)

A dishwasher including a tub forming a wash chamber and a sump, a drain pump, a separate circulation pump, and a shunt drain system. The sump has a macerating chamber and a pump chamber each adapted to hold liquid from the wash chamber. The drain pump directly connects the macerating chamber to a drain line to move liquid from the macerating chamber to a household drain. The circulation pump moves liquid from the pump chamber to the wash chamber. The circulation pump has a shaft which extends into the macerating chamber and a blade attached to the shaft within the macerating chamber for chopping food particles therein. A tight space about the shaft forms a restricted passage between the pump chamber and the macerating chamber so that the drain pump can move liquid from the pump chamber to the household drain. The shunt drain system provides a direct flow path for liquid from the pump chamber to the drain pump. The shunt drain system includes a shunt drain conduit connecting the pump chamber with the drain pump and a shunt check valve in the shunt drain conduit movable between a closed position and an open position. The shunt check valve is moved between the open and closed positions in response to a pressure difference between the pump chamber and the shunt drain conduit. <IMAGE>

IPC 1-7

A47L 15/42

IPC 8 full level

A47L 15/42 (2006.01)

CPC (source: EP)

A47L 15/4204 (2013.01); **A47L 15/4227** (2013.01)

Citation (search report)

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