

Title (en)
LIQUID ACCUMULATOR EMPTYING DEVICE FOR WATER RUNNING HOUSEHOLD APPLIANCES

Publication
EP 0338484 B1 19921216 (DE)

Application
EP 89106861 A 19890417

Priority
DE 8805234 U 19880420

Abstract (en)
[origin: EP0338484A2] A device for emptying a liquid accumulator (2) of water-carrying domestic appliances comprises a centrifugal pump (3) with a pump housing (4) enclosing an overmounted pump wheel (6), which housing has an axial intake pipe (7) and a radial pressure pipe (9), of which, as necessary, the intake pipe (7) is connected to the liquid accumulator (2) and the pressure pipe (9) serves to drain the liquid delivered by the centrifugal pump (3), in each case by means of a hose section (8 or 10) fitted to them. In order, by very simple means, to effectively prevent the occurrence on such a device of unwanted gurgling noises from the centrifugal pump (3) and attendant motor noises, it is proposed that a return conduit (11) of smaller cross-section from the area of the pressure pipe (9) or from a hose section (10) fitted to this and serving for drainage of the delivered liquid, and/or from the annular pressure area of the pump wheel (6), should empty into the area of the intake pipe (7) or into a hose section (8) fitted to it and connectable to the liquid accumulator (2). <IMAGE>

IPC 1-7
F04D 15/00; F04D 29/66

IPC 8 full level
A47L 15/42 (2006.01); **F04D 15/00** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 29/669 (2013.01 - EP US)

Cited by
DE4128689A1; EP1887126A1; DE4034927A1

Designated contracting state (EPC)
DE FR IT SE

DOCDB simple family (publication)
EP 0338484 A2 19891025; EP 0338484 A3 19900404; EP 0338484 B1 19921216; DE 58902991 D1 19930128; DE 8904866 U1 19890727; US 4964783 A 19901023

DOCDB simple family (application)
EP 89106861 A 19890417; DE 58902991 T 19890417; DE 8904866 U 19890418; US 26611788 A 19881102