

Title (en)
LIQUID FLOW RATE CONTROL DEVICE

Title (de)
DURCHFLUSSMENGENREGLER

Title (fr)
DISPOSITIF DE REGULATION DU DEBIT D'UN LIQUIDE

Publication
EP 0862470 A4 19990616 (EN)

Application
EP 96935920 A 19960924

Priority

- US 9615250 W 19960924
- US 463495 P 19950929
- US 67455296 A 19960701
- US 71788296 A 19960923

Abstract (en)
[origin: WO9711729A1] A fluid flow rate control device comprises a first vented fluid chamber (60) having an upper fluid inlet end with a hollow spike (46). A free floating float valve (70) in the first chamber blocks the flow of fluid into the first chamber from a fluid container (12) providing a constant pressure head. A lower end of the chamber is connected, through a flow regulator (66), to an upper inlet end of a second, vented, drip chamber (62), the lower end of which is adapted for connection to a discharge tube. A second, free floating float valve (140) in the second chamber blocks the flow of fluid from the second chamber into the discharge tube when the fluid level in the second chamber is at or below a preestablished minimum level and blocks flow of fluid into the second chamber when the level in the second chamber reaches a preestablished level.

IPC 1-7
A61M 5/00

IPC 8 full level
A61M 5/168 (2006.01); **A61M 5/40** (2006.01)

CPC (source: EP)
A61M 5/1411 (2013.01); **A61M 5/16818** (2013.01); **A61M 5/16881** (2013.01); **A61M 5/40** (2013.01); **A61M 2205/3382** (2013.01)

Citation (search report)

- [X] US 4269222 A 19810526 - PALT I YORAM
- [X] US 4096879 A 19780627 - SERUR JUAN RICARDO, et al
- [X] GB 2089944 A 19820630 - WALLACE LTD H G
- [X] US 3667464 A 19720606 - ALLIGOOD LAWRENCE M JR
- [XA] US 4340050 A 19820720 - NOILES DOUGLAS G
- See references of WO 9711729A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9711729 A1 19970403; AU 723789 B2 20000907; AU 7369696 A 19970417; CA 2235720 A1 19970403; CA 2235720 C 20020806; EP 0862470 A1 19980909; EP 0862470 A4 19990616

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