

Title (en)

MODIFIED SIPHONS FOR IMPROVED METERING PRECISION

Title (de)

MODIFIZIERTE SIPHONE ZUR VERBESSERUNG DER DOSIERGENAUIGKEIT

Title (fr)

SIPHONS MODIFIES GARANTISSANT UNE PRECISION DE DOSAGE AMELIORE

Publication

**EP 0764266 A4 19980805 (EN)**

Application

**EP 95922222 A 19950605**

Priority

- US 9507145 W 19950605
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Abstract (en)

[origin: WO9533986A1] The present invention provides centrifugal force rotors for delivering a premeasured volume of liquid to a chamber in the rotor. In particular the rotors comprise siphons (134) for delivering a premeasured volume of liquid between a first and a second chamber (136) in the rotor. The siphons (134) of the invention are designed such that the inlet (138) of the siphon on the first chamber is radially outward of the siphon outlet (139) on the second chamber (136). The first chamber is emptied to a level equivalent to the radial position of the siphon outlet (139).

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] US 4673653 A 19870616 - GUIGAN JEAN [FR]
- [YA] WO 9319827 A1 19931014 - ABAY SA [US]
- [YA] US 5160702 A 19921103 - KOPF-SILL ANNE R [US], et al
- [A] US 5304348 A 19940419 - BURD TAMMY L [US], et al

Citation (examination)

- WO 9506870 A1 19950309 - ABAY SA [US]
- US 5591643 A 19970107 - SCHEMBRI CAROL T [US]
- See also references of WO 9533986A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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