

Title (en)  
DOSING PUMP FOR DOSED LIQUID CONVEYANCE

Title (de)  
DOSIERPUMPE ZUM DOSIERTEN FÖRDERN VON FLÜSSIGKEITEN

Title (fr)  
POMPE DE DOSAGE POUR REFOULER DES LIQUIDES DE MANIERE DOSEE

Publication  
**EP 0968370 A1 20000105 (DE)**

Application  
**EP 98913716 A 19980313**

Priority  
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• EP 9801458 W 19980313

Abstract (en)  
[origin: US6168390B1] A dosing pump for dosed liquid conveyance that includes a suction valve built into a suction tube coming out of a suction container, a pump chamber having a displacement volume that can be modified by means of a pumping member, a pressure valve leading to a dosing tube, a deaeration device arranged on the top end of the tube and comprising a return valve and a flow-actuated deaeration and bypass valve built into a deaeration valve having response characteristics dependent upon the state of aggregation of the liquid contained therein. The flow-activated deaeration and bypass valve is open when idle, only closing when pressure is raised in the presence of liquid in the valve, and is provided with a membrane. Faulty pump operation is substantially reduced when the membrane is connected to a remote closing member which closes the deaeration tube when the membrane is moved. A return valve is arranged between the membrane and the closing member.

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**F04B 53/06**

IPC 8 full level  
**F04B 53/06** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 9842983A1

Cited by  
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