

Title (en)

Dosing pump for vehicle heating system

Title (de)

Dosierpumpeinrichtung für ein Fahrzeugheizgerät

Title (fr)

Pompe de dosage pour dispositif de chauffage pour véhicule

Publication

**EP 1445485 B1 20070606 (DE)**

Application

**EP 04000552 A 20040113**

Priority

DE 10301093 A 20030114

Abstract (en)

[origin: EP1445485A2] A dosing pump for a motor vehicle heater comprises inlet (40) and outlet (54) chambers with a valve (66) between them permitting fluid exchange from inlet to outlet. A displacement piston (12) minimizes the volume of the inlet chamber when in one position and minimizes the volume of the outlet chamber when in a second position.

IPC 8 full level

**F04B 5/02** (2006.01); **F04B 11/00** (2006.01); **F04B 13/00** (2006.01); **F04B 17/04** (2006.01)

CPC (source: EP US)

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Designated contracting state (EPC)

DE SE

DOCDB simple family (publication)

**EP 1445485 A2 20040811**; **EP 1445485 A3 20050907**; **EP 1445485 B1 20070606**; DE 10301093 A1 20040722; DE 502004004001 D1 20070719; US 2005047941 A1 20050303; US 7322804 B2 20080129

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**EP 04000552 A 20040113**; DE 10301093 A 20030114; DE 502004004001 T 20040113; US 75715704 A 20040113