

Title (en)

Flow rate control with a positive displacement liquid pump

Title (de)

Durchflussregelung mittels einer Flüssigkeitsverdrängerpumpe

Title (fr)

Régulation du débit avec une pompe volumétrique

Publication

EP 1106826 A3 20030502 (EN)

Application

EP 00126636 A 20001204

Priority

- JP 3439999 A 19990212
- JP 2000217926 A 20000718

Abstract (en)

[origin: EP1106826A2] A positive displacement liquid-delivery apparatus comprising a positive displacement pump 10 and a differential pressure control unit 42. The positive displacement pump 10 includes a liquid-delivery chamber 28 having a housing 22 with one part formed of a flexible diaphragm 24; and a diaphragm driver 36 linked to the diaphragm 24 for deforming the same to discharge fluid from the liquid-delivery chamber 28. The differential pressure control unit 42 uniformly controls the differential pressure inside and outside the diaphragm 24 during the pumping process.
<IMAGE>

IPC 1-7

F04B 13/00; **F04B 43/02**

CPC (source: EP KR US)

F04B 13/00 (2013.01 - EP KR US); **F04B 43/02** (2013.01 - EP KR US); **F04B 2205/07** (2013.01 - EP)

Citation (search report)

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- [Y] WO 9923494 A1 19990514 - LANG APPARATEBAU GMBH [DE], et al
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