

Title (en)
Piston pump

Title (de)
Kolbenpumpe

Title (fr)
Pompe à piston

Publication
EP 1431576 B1 20060816 (DE)

Application
EP 03014382 A 20030626

Priority
DE 10260174 A 20021220

Abstract (en)
[origin: EP1431576A1] The pump (16) has a pump housing (34) and a quantity control valve (24) with a valve housing (36). The valve housing is irreversibly and rigidly connected to a head section (32) of the pump housing. The valve housing is welded to the pump housing. The head section is implemented as an essentially flat adapter plate and the valve housing is connected to the adapter plate.

IPC 8 full level
F04B 1/04 (2006.01)

CPC (source: EP)
F04B 1/0404 (2013.01); **F04B 1/0421** (2013.01)

Cited by
WO2016012143A1

Designated contracting state (EPC)
DE ES FR SE

DOCDB simple family (publication)
EP 1431576 A1 20040623; EP 1431576 B1 20060816; DE 10260174 A1 20040708; DE 50304643 D1 20060928

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EP 03014382 A 20030626; DE 10260174 A 20021220; DE 50304643 T 20030626