

Title (en)
Swash plate tyre pump

Title (de)
Taumelscheibenpumpe

Title (fr)
Pompe à plateau en biais

Publication
EP 1091119 A3 20011212 (EN)

Application
EP 00308801 A 20001005

Priority
GB 9923822 A 19991009

Abstract (en)
[origin: EP1091119A2] A pump comprises a shaft (4), two opposed swash plates (2,3) carried by the shaft (4), and at least one plunger (9, 10, 11, 12) disposed between the swash plates (2, 3). The swash plates (2, 3) are rotatable with the shaft (4) about a longitudinal axis of the shaft (4) for driving the or each plunger (9, 10, 11, 12), the arrangement being such that forces exerted on the swash plates (2, 3) by the or each plunger (9, 10, 11, 12) during operation of the pump are mutually opposed so as to reduce the net axial force on the shaft (4). <IMAGE>

IPC 1-7
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IPC 8 full level
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CPC (source: EP)
F04B 1/146 (2013.01); **F04B 1/16** (2013.01); **F04B 1/295** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
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