

Title (en)

Radial pump with balancing weight

Title (de)

Radialkolbenpumpe mit Ausgleichsgewicht

Title (fr)

Pompe radiale avec masse d'equilibrage

Publication

EP 1596065 B1 20080402 (DE)

Application

EP 05103658 A 20050503

Priority

DE 102004023195 A 20040511

Abstract (en)

[origin: EP1596065A1] The pump has a pump housing (1), in that a pump shaft (2) has a cam section (3) swivellingly stored with a pump piston (4). The piston is propelled by the pump shaft in a cylinder radially and moveable back and forth. On the pump shaft a counter balance (6) is arranged, which provides an imbalance of the pump shaft while the pump works against it. The counter balance has the same eccentricity (E) as the cam section of the pump shaft. The counter balance is connected with the pump shaft by a hub connection (7).

IPC 8 full level

F04B 1/04 (2006.01)

CPC (source: EP)

F04B 1/0404 (2013.01); **F04B 53/001** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1596065 A1 20051116; EP 1596065 B1 20080402; DE 102004023195 A1 20051208; DE 102004023195 B4 20060614;
DE 502005003525 D1 20080515

DOCDB simple family (application)

EP 05103658 A 20050503; DE 102004023195 A 20040511; DE 502005003525 T 20050503