

Title (en)

RADIAL PISTON PUMP FOR PRODUCING HIGH PRESSURE FUEL

Title (de)

RADIALKOLBENPUMPE ZUR KRAFTSTOFFHOCHDRUCKERZEUGUNG

Title (fr)

POMPE A PISTON RADIAL POUR PRODUCTION DE HAUTE PRESSION POUR CARBURANT

Publication

EP 1049873 A1 20001108 (DE)

Application

EP 99904708 A 19990115

Priority

- DE 9900056 W 19990115
- DE 19802475 A 19980123

Abstract (en)

[origin: DE19802475A1] The pump has a drive shaft (51) in a casing (50). The shaft is eccentric or has cam-like protuberances on its circumference. There are several pistons fitted radially relative to the drive shaft, each in a cylinder cavity (56). A plate (58) is against the piston end facing the drive shaft. As the drive shaft is rotated, the pistons are moved translationally and reciprocally in their cylinder cavities. The plate is pivoted to the appropriate piston.

IPC 1-7

F04B 1/04

IPC 8 full level

F02M 47/02 (2006.01); **F02M 59/06** (2006.01); **F02M 59/10** (2006.01); **F04B 1/04** (2006.01); **F04B 1/047** (2006.01); **F04B 1/053** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)

F04B 1/0426 (2013.01 - EP US)

Citation (search report)

See references of WO 9937916A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19802475 A1 19990729; DE 59902114 D1 20020829; EP 1049873 A1 20001108; EP 1049873 B1 20020724; JP 2002501145 A 20020115; US 6347574 B1 20020219; WO 9937916 A1 19990729

DOCDB simple family (application)

DE 19802475 A 19980123; DE 59902114 T 19990115; DE 9900056 W 19990115; EP 99904708 A 19990115; JP 2000528797 A 19990115; US 60091400 A 20001204