

Title (en)
RECIPROCATING PUMP SYSTEM

Title (de)
HUBKOLBENPUMPSYSTEM

Title (fr)
SYSTEME DE POMPAGE EN VA-ET-VIENT

Publication
EP 1834093 A1 20070919 (EN)

Application
EP 05849304 A 20051212

Priority
• US 2005044844 W 20051212
• US 1085804 A 20041213

Abstract (en)
[origin: US2006127252A1] A reciprocating pump assembly includes a linear electric motor having a cylinder, a rotor, and a stator. A multiple of check valves are located near each end of the cylinder. Pairs of check valves are mounted within a T-shaped fitting which permit each fitting to operate alternatively as an inlet and a discharge depending on the direction of the rotor stroke. Another pump assembly utilizes the rotor to separately drive pistons through pushrods.

IPC 8 full level
F04B 17/04 (2006.01); **F04B 5/02** (2006.01); **H02K 33/00** (2006.01)

CPC (source: EP US)
F04B 17/044 (2013.01 - EP US); **F04B 35/045** (2013.01 - EP US); **H02K 41/025** (2013.01 - EP US); **H02K 33/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2006065718A1

Citation (examination)
• GB 1341995 A 19731225 - JEUMONT SCHNEIDER
• GB 1519953 A 19780802 - NAT RES DEV

Designated contracting state (EPC)
DE FR GB IT SE TR

DOCDB simple family (publication)
US 2006127252 A1 20060615; AU 2005316683 A1 20060622; BR PI0518988 A2 20081216; CA 2591345 A1 20060622;
CN 101084373 A 20071205; EP 1834093 A1 20070919; JP 2008523312 A 20080703; MX 2007006985 A 20071004;
WO 2006065718 A1 20060622

DOCDB simple family (application)
US 1085804 A 20041213; AU 2005316683 A 20051212; BR PI0518988 A 20051212; CA 2591345 A 20051212; CN 200580042768 A 20051212;
EP 05849304 A 20051212; JP 2007545701 A 20051212; MX 2007006985 A 20051212; US 2005044844 W 20051212