

Title (en)
RECIPROCATING PISTON MACHINE WITH A DRIVER

Title (de)
HUBKOLBENMASCHINE MIT EINEM MITNEHMER

Title (fr)
MACHINE A PISTONS ELEVATEURS DOTEE D'UN ENTRAINEUR

Publication
EP 1387956 A2 20040211 (DE)

Application
EP 02735132 A 20020314

Priority
• DE 10124031 A 20010516
• EP 0202829 W 20020314

Abstract (en)
[origin: WO02093009A2] A reciprocating piston machine comprising a machine shaft (2), several pistons (4) arranged around said machine shaft (2) in a circle, and an annular pivoting disk (5) which is driven by the machine shaft (2) and which engages with the piston by means of a hinge arrangement (6), said pivoting disk being connected to the machine shaft by means of a driver (7). The driver (7) comprises an articulated section (7a) whose center point lies outside the main center plane extending perpendicularly in relation to the hinge axis (9) through the axis of rotation (11) of the machine shaft (2). Alternately, the driver (7) is provided with a fixing section (7c) having a non-circular fixing cross-section.

IPC 1-7
F04B 1/00

IPC 8 full level
F04B 27/08 (2006.01); **F04B 27/10** (2006.01)

CPC (source: EP KR US)
F04B 1/32 (2013.01 - KR); **F04B 27/1072** (2013.01 - EP US)

Citation (search report)
See references of WO 02093009A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02093009 A2 20021121; **WO 02093009 A3 20030320**; AU 2002310948 A1 20021125; CN 100575702 C 20091230; CN 1518637 A 20040804; DE 10124031 A1 20021121; DE 10124031 B4 20090820; EP 1387956 A2 20040211; JP 2004528510 A 20040916; JP 4053432 B2 20080227; KR 100871261 B1 20081128; KR 20040012838 A 20040211; US 2004134342 A1 20040715; US 7144227 B2 20061205

DOCDB simple family (application)
EP 0202829 W 20020314; AU 2002310948 A 20020314; CN 02809899 A 20020314; DE 10124031 A 20010516; EP 02735132 A 20020314; JP 2002590248 A 20020314; KR 20037014930 A 20031117; US 71378103 A 20031114