

Title (en)
FREE PISTON MOTOR

Title (de)
FREIKOLBENMOTOR

Title (fr)
MOTEUR A PISTON LIBRE

Publication
EP 1282766 A1 20030212 (DE)

Application
EP 01944926 A 20010515

Priority

- DE 0101828 W 20010515
- DE 10024737 A 20000519
- DE 10120196 A 20010424

Abstract (en)
[origin: WO0188352A1] The invention relates to a free piston motor (1) comprising a motor piston (6) which can be driven by a stepped hydraulic piston (8). The large diameter of said hydraulic piston (8) is guided in a compression cylinder (18) whereas the small diameter is located in a work cylinder (14). During the compression stroke, the compression cylinder (18) is connected to a high pressure store (30) and the work cylinder (14) is connected to a low pressure store (24) or to the high pressure store. During the expansion stroke, displacement of the pressure medium out of the cylinder chambers allows loading of the high pressure store.

IPC 1-7
F02B 71/04

IPC 8 full level
F02B 71/00 (2006.01); **F01B 11/08** (2006.01); **F01B 23/08** (2006.01); **F02B 71/04** (2006.01)

CPC (source: EP US)
F02B 71/045 (2013.01 - EP US)

Citation (search report)
See references of WO 0188352A1

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 0188352 A1 20011122; AT E300669 T1 20050815; CN 1214179 C 20050810; CN 1440489 A 20030903; EP 1282766 A1 20030212; EP 1282766 B1 20050727; ES 2245696 T3 20060116; US 2004065277 A1 20040408; US 6931845 B2 20050823

DOCDB simple family (application)
DE 0101828 W 20010515; AT 01944926 T 20010515; CN 01812182 A 20010515; EP 01944926 A 20010515; ES 01944926 T 20010515; US 27684903 A 20030509