

Title (en)
COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE

Title (fr)
MOTEUR A COMBUSTION

Publication
EP 1399646 A1 20040324 (EN)

Application
EP 01944461 A 20010613

Priority
US 0118923 W 20010613

Abstract (en)
[origin: WO02101201A1] A reciprocating rotating engine (1) having a combustion chamber and a pumping chamber (28) is provided with two sets of free pistons and pumps vanes (13) each set having two pistons and two pumps vanes (13). The two sets of pistons an pump vanes (13) define four separate combustion chamber portions (28) and pumping chamber portions (25) and reciprocally rotate in concentric circular paths under the force of compression ignited internal combustion forces, pumping and pressurizing hydraulic fluid contained within the pumping chamber (16, 22).

IPC 1-7
F01C 1/077

IPC 8 full level
F01C 1/077 (2006.01); **F01C 9/00** (2006.01); **F01C 11/00** (2006.01); **F01C 13/04** (2006.01); **F04C 11/00** (2006.01); **F02B 3/06** (2006.01); **F02B 53/00** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F01C 1/077 (2013.01); **F01C 9/002** (2013.01); **F01C 11/004** (2013.01); **F01C 13/04** (2013.01); **F04C 11/003** (2013.01); **F02B 3/06** (2013.01); **F02B 53/00** (2013.01); **F02B 2075/025** (2013.01); **F02B 2201/06** (2013.01)

Citation (search report)
See references of WO 02101201A1

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 02101201 A1 20021219; EP 1399646 A1 20040324

DOCDB simple family (application)
US 0118923 W 20010613; EP 01944461 A 20010613