

Title (en)

Hydraulic radial piston engine with unique decoupling selector

Title (de)

Radialkolbenmotor mit einer einzigen Koppelauswahlvorrichtung

Title (fr)

Moteur hydraulique a pistons radiaux et a selecteur de debrayage unique

Publication

**EP 1072791 B1 20040609 (FR)**

Application

**EP 00401985 A 20000710**

Priority

FR 9909714 A 19990727

Abstract (en)

[origin: EP1072791A2] The hydraulic motor consists of a cylinder block (6), forming a primary group of cylinders (12A), arranged radially around the axis of rotation (10). A reaction element (4A) is mounted so as to rotate relative to the block around the axis of rotation. An internal distributor (16) of fluid is mounted fixed to the reaction element, so that the supply and exhaust to the cylinders can be achieved. A selector (34) is fitted to the cylinder block and allows communication to each cylinder through a communication pipe (40), according to the position of the piston.

IPC 1-7

**F03C 1/04**

IPC 8 full level

**F03C 1/10** (2006.01); **F03C 1/04** (2006.01); **F03C 1/047** (2006.01); **F03C 1/14** (2006.01); **F03C 1/16** (2006.01); **F03C 1/40** (2006.01)

CPC (source: EP US)

**F03C 1/0425** (2013.01 - EP US); **F03C 1/045** (2013.01 - EP US)

Cited by

US10781816B2; US9175563B2; US9551222B2; WO2014014984A3; WO2014014985A3

DOCDB simple family (publication)

**EP 1072791 A2 20010131**; **EP 1072791 A3 20010411**; **EP 1072791 B1 20040609**; DE 60011352 D1 20040715; DE 60011352 T2 20050630; FR 2796992 A1 20010202; FR 2796992 B1 20011019; JP 2001107836 A 20010417; JP 4657425 B2 20110323; US 6347572 B1 20020219

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