

Title (en)
AXIAL-PISTON MOTOR, METHOD FOR OPERATING AN AXIAL PISTON MOTOR, AND METHOD FOR PRODUCING A HEAT EXCHANGER OF AN AXIAL-PISTON MOTOR

Title (de)
AXIALKOLBENMOTOR, VERFAHREN ZUM BETRIEB EINES AXIALKOLBENMOTORS SOWIE VERFAHREN ZUR HERSTELLUNG EINES WÄRMEÜBERTRAGERS EINES AXIALKOLBENMOTORS

Title (fr)
MOTEUR À PISTONS AXIAUX, PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À PISTON AXIAUX ET PROCÉDÉ POUR RÉALISER UN ÉCHANGEUR THERMIQUE D'UN MOTEUR À PISTONS AXIAUX

Publication
EP 2456967 A2 20120530 (DE)

Application
EP 10754669 A 20100726

Priority
• DE 102009034736 A 20090724
• DE 2010000877 W 20100726

Abstract (en)
[origin: WO2011009454A2] The aim of the invention is to improve the efficiency of an axial-piston motor. To this end, the axial-piston motor comprises at least one compressor cylinder, at least one working cylinder and at least one pressure line guiding the compressed fuel from the compressor cylinder to the working cylinder. A working piston comprising a working rod is provided in the working cylinder, and a compressor piston comprising a compressor rod is provided in the compressor cylinder. The axial-piston motor is characterised in that it at least one of the two rods comprises transverse stiffeners.

IPC 8 full level
F01B 3/00 (2006.01); **F02B 75/26** (2006.01); **F02F 3/00** (2006.01); **F02G 3/02** (2006.01); **F16C 7/02** (2006.01)

CPC (source: CN EP US)
F01B 3/00 (2013.01 - CN EP US); **F01B 3/0005** (2013.01 - CN EP US); **F01B 3/0085** (2013.01 - CN EP US); **F01M 1/28** (2013.01 - US); **F02B 75/26** (2013.01 - CN EP US); **F02G 3/02** (2013.01 - CN EP US); **F01M 1/04** (2013.01 - US); **F01M 1/20** (2013.01 - US); **F01M 2001/123** (2013.01 - US)

Citation (search report)
See references of WO 2011009454A2

Citation (examination)
• WO 2009062473 A2 20090522 - ROHS ULRICH [DE]
• EP 1035310 A2 20000913 - ROHS ULRICH [DE]
• US 6305335 B1 20011023 - O'TOOLE MURRAY J [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2011009454 A2 20110127; WO 2011009454 A3 20110414; CN 102686848 A 20120919; CN 102686848 B 20151125; CN 104481728 A 20150401; CN 104481728 B 20170606; DE 112010003066 A5 20121031; EP 2456967 A2 20120530; US 2012118272 A1 20120517; US 9376913 B2 20160628

DOCDB simple family (application)
DE 2010000877 W 20100726; CN 201080043188 A 20100726; CN 201410503658 A 20100726; DE 112010003066 T 20100726; EP 10754669 A 20100726; US 201013386595 A 20100726