

Title (en)
WATER-COOLED PISTON COMPRESSOR

Title (de)
WASSERGEKÜHLTER KOLBENVERDICHTER

Title (fr)
COMPRESSEUR A PISTON REFROIDI PAR EAU

Publication
EP 1963674 B1 20100901 (DE)

Application
EP 06829571 A 20061213

Priority
• EP 2006011996 W 20061213
• DE 102005059491 A 20051213

Abstract (en)
[origin: US8117960B2] A water-cooled piston compressor having at least one air-compressing piston, which can be driven with means for producing a linearly oscillating drive force and which is accommodated in an axially movable manner in a cylinder housing which is closed at the end face via a cylinder head and is provided with water-cooling means, wherein the water-cooling means comprise a cylinder housing which is formed with a double wall and on whose end face facing the cylinder head a plurality of cooling openings are arranged, via which coolant flowing through the double-walled cylinder housing comes into contact with the region of the cylinder head.

IPC 8 full level
F04B 39/06 (2006.01)

CPC (source: EP KR US)
F04B 39/06 (2013.01 - KR); **F04B 39/064** (2013.01 - EP US); **F04B 53/08** (2013.01 - EP KR US); **F25B 31/00** (2013.01 - KR)

Cited by
DE102017116870B3; WO2019015855A1; US11441552B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2009071324 A1 20090319; US 8117960 B2 20120221; AT E479842 T1 20100915; CN 101331319 A 20081224; CN 101331319 B 20101020; DE 102005059491 A1 20070614; DE 502006007798 D1 20101014; EP 1963674 A1 20080903; EP 1963674 B1 20100901; JP 2009519399 A 20090514; JP 5345398 B2 20131120; KR 101290016 B1 20130730; KR 20080069278 A 20080725; RU 2008128464 A 20100120; RU 2429378 C2 20110920; WO 2007068463 A1 20070621; WO 2007068463 A8 20070907

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