

Title (en)

AIR-COOLED RECIPROCATING COMPRESSOR HAVING SPECIAL COOLING AIR CONDUCTION

Title (de)

LUFTGEKÜHLTER KOLBENKOMPRESSOR MIT SPEZIELLER KÜHLLUFTFÜHRUNG

Title (fr)

COMPRESSEUR À PISTON REFROIDI PAR AIR DOTÉ D'UNE CONDUITE D'AIR DE REFROIDISSEMENT SPÉCIALE

Publication

EP 2582978 B1 20181219 (DE)

Application

EP 11726126 A 20110614

Priority

- DE 102010024346 A 20100618
- EP 2011059782 W 20110614

Abstract (en)

[origin: WO2011157681A1] The invention relates to an air-cooled reciprocating compressor for vehicles, comprising a compressing unit (2), which has a plurality of cylinders (1a, 1b) and is driven by a motor (3) and has a fan (4) for generating a cooling air flow, wherein the fan (4) is disposed on a connecting shaft (5) between the motor (3) and the compressing unit (2) and takes in the cooling air from the surroundings and delivers said cooling air to a downstream cooling air duct (6), wherein moreover the cooling air duct (6) at least partially surrounding the cylinders (1a, 1b) is designed such that cooling air can flow around all in-line cylinders (1a, 1b) of the compressing unit.

IPC 8 full level

F04B 17/03 (2006.01); **F04B 25/00** (2006.01); **F04B 27/00** (2006.01); **F04B 39/06** (2006.01)

CPC (source: EP US)

F04B 17/03 (2013.01 - US); **F04B 25/005** (2013.01 - EP US); **F04B 27/005** (2013.01 - EP US); **F04B 39/064** (2013.01 - US); **F04B 39/066** (2013.01 - EP US)

Citation (examination)

DE 2422448 A1 19751113 - KNORR BREMSE GMBH

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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010024346 A1 20111222; BR 112012032373 A2 20161108; CN 102947589 A 20130227; CN 102947589 B 20160803; EP 2582978 A1 20130424; EP 2582978 B1 20181219; JP 2013528745 A 20130711; JP 5896996 B2 20160330; RU 2013102237 A 20140727; RU 2567901 C2 20151110; US 2013108487 A1 20130502; US 8992187 B2 20150331; WO 2011157681 A1 20111222

DOCDB simple family (application)

DE 102010024346 A 20100618; BR 112012032373 A 20110614; CN 201180030179 A 20110614; EP 11726126 A 20110614; EP 2011059782 W 20110614; JP 2013514675 A 20110614; RU 2013102237 A 20110614; US 201213718168 A 20121218