

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 2691653 B1 20181024 (EN)

Application
EP 12765121 A 20120330

Priority
• CN 201110089527 A 20110331
• CN 201120103771 U 20110331
• US 2012031621 W 20120330

Abstract (en)
[origin: WO2012135727A2] A compressor may include a crankshaft, a lower bearing, an oil sump, an oil pump and a pressure equilibrium tube. The crankshaft may include an oil supply passage formed therethrough. The lower bearing may rotatably support a lower part of the crankshaft. The oil sump may be disposed proximate the lower part of the crankshaft. The oil pump may include an inlet, an outlet, an intake chamber and a discharging chamber. The inlet may be positioned below a level of oil in the oil sump and in fluid communication with the intake chamber. The discharging chamber may be in fluid communication with the oil supply passage at the lower part of the crankshaft through the outlet. The pressure equilibrium tube provides fluid communication between a space above the level of oil in the oil sump and the intake chamber.

IPC 8 full level
F04C 29/02 (2006.01); **F04C 18/02** (2006.01)

CPC (source: EP US)
F01C 21/02 (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/023** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US); **F04D 17/08** (2013.01 - US); **F04D 27/004** (2013.01 - US); **F04C 2240/809** (2013.01 - EP 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 RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012135727 A2 20121004; WO 2012135727 A3 20121129; BR 112013024617 A2 20170829; EP 2691653 A2 20140205; EP 2691653 A4 20150114; EP 2691653 B1 20181024; IN 1785MUN2013 A 20150612; RU 2013147700 A 20150510; RU 2553586 C2 20150620; US 2015044019 A1 20150212

DOCDB simple family (application)
US 2012031621 W 20120330; BR 112013024617 A 20120330; EP 12765121 A 20120330; IN 1785MUN2013 A 20130923; RU 2013147700 A 20120330; US 201214355793 A 20120330