

Title (en)
SCREW COMPRESSOR

Title (de)
SCHRAUBENVERDICHTER

Title (fr)
COMPRESSEUR À VIS

Publication
EP 2565456 A4 20170517 (EN)

Application
EP 10850592 A 20101201

Priority
• CN 201010542540 A 20101102
• CN 201010156279 A 20100426
• CN 2010079353 W 20101201

Abstract (en)
[origin: US2012058001A1] A screw compressor for connecting with an economizer for gas supply, includes a main body defining a compressor cavity, a male rotor and a female rotor received in the compressor cavity, a gas-vent base defining at least one gas-supply hole therein adapted for communicating with the economizer. The male rotor and the female rotor are parallel to and meshed with each other. At least the male rotor includes at least two teeth defining at least one tooth channel therebetween. The gas-supply hole is axially aligned with the at least one tooth channel to let gas from the economizer pass therethrough and enter into the at least one tooth channel along the axial direction of the male rotor.

IPC 8 full level
F04C 18/16 (2006.01); **F04C 28/10** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP US)
F04C 18/16 (2013.01 - EP US); **F04C 29/12** (2013.01 - EP US); **F04C 2250/101** (2013.01 - EP US)

Citation (search report)
• [XA] US 5775117 A 19980707 - SHAW DAVID N [US]
• [A] WO 2006062741 A2 20060615 - CARRIER CORP [US], et al
• See references of WO 2011134261A1

Cited by
EP3617516B1

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)
US 2012058001 A1 20120308; CN 101979880 A 20110223; CN 101979880 B 20130731; CN 201836053 U 20110518; EP 2565456 A1 20130306; EP 2565456 A4 20170517; EP 2565456 B1 20180801; WO 2011134261 A1 20111103

DOCDB simple family (application)
US 201013148943 A 20101201; CN 2010079353 W 20101201; CN 201010542540 A 20101102; CN 201020601045 U 20101102; EP 10850592 A 20101201