

Title (en)
Piston compressor

Title (de)
Kolbenverdichter

Title (fr)
Compresseur à piston

Publication
EP 2505838 A1 20121003 (DE)

Application
EP 11002717 A 20110401

Priority
EP 11002717 A 20110401

Abstract (en)
The piston compressor has piston which is coupled in movement to crankshaft. The crankshaft is designed in two-part manner, such that the two components such as crank pin (14,18) and crank arm (10,16) of crankshaft are connected with each another via a cone connection. The combination of crank arm and crank pins is secured by rotation.

Abstract (de)
Ein Kolbenverdichter weist mindest einen Kolben auf, der mit einer mindestens zweiteilig ausgebildeten Kurbelwelle bewegungsgekoppelt ist. Die zumindest zwei Teile der Kurbelwelle sind mittels einer Kegelverbindung miteinander verbunden.

IPC 8 full level
F04B 39/00 (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP US)
F04B 39/0094 (2013.01 - EP US); **F04B 53/006** (2013.01 - EP US); **Y10T 74/2175** (2015.01 - EP US)

Citation (search report)

- [IY] CH 93365 A 19220316 - SKF SVENSKA KULLAGERFAB AB [SE], et al
- [I] FR 610596 A 19260908
- [I] DE 717230 C 19420209 - MASCHF AUGSBURG NUERNBERG AG
- [I] DE 10337247 A1 20050310 - MAN B & W DIESEL AS KOPENHAGEN [DK]
- [YA] US 3309941 A 19670321 - KAPPEL JAMES C

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2505838 A1 20121003; **EP 2505838 B1 20131127**; CN 102734128 A 20121017; ES 2449700 T3 20140320; IN 965DE2012 A 20150911; US 2012251364 A1 20121004; US 8939047 B2 20150127

DOCDB simple family (application)
EP 11002717 A 20110401; CN 201210101806 A 20120401; ES 11002717 T 20110401; IN 965DE2012 A 20120330; US 201213435566 A 20120330