

Title (en)
Piston compressor

Title (de)
Kolbenkompressor

Title (fr)
Compresseur à piston

Publication
EP 2505837 B1 20140625 (DE)

Application
EP 11002716 A 20110401

Priority
EP 11002716 A 20110401

Abstract (en)
[origin: EP2505837A1] The compressor has two pistons designed as a single-part piston and a multi-part piston (10) and comprising a piston head (12) made of aluminum and a piston base (14) made of stainless steel. The piston head and base are screwed with each other using screws (20) that extend through a bore hole in the piston head parallel to a longitudinal axis and/or a movement axis (X) of the multi-part piston. The pistons are driven by a common crank shaft. Diameter of the single-part piston is larger than diameter of the multi-part piston, where the pistons are arranged in a cylinder.

IPC 8 full level
F04B 39/00 (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)
F04B 39/0005 (2013.01 - EP US); **F04B 53/14** (2013.01 - EP US); **F05C 2201/021** (2013.01 - EP US); **F05C 2201/0448** (2013.01 - EP US)

Citation (examination)

- US 5307732 A 19940503 - BERLINGER WILLIBALD G [US]
- WO 0006877 A1 20000210 - TELEDYNE IND [US], et al
- WO 0244564 A1 20020606 - KNORR BREMSE SYSTEME [DE], et al
- DE 10138070 A1 20030220 - KNORR BREMSE SYSTEME [DE]

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2505837 A1 20121003; EP 2505837 B1 20140625; CN 102734127 A 20121017; CN 102734127 B 20151216; ES 2498731 T3 20140925; IN 690DE2012 A 20150821; US 2012247321 A1 20121004

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