

Title (en)

PISTON COMPRESSOR FOR COMPRESSING GASEOUS MEDIA IN AT LEAST TWO WORKING CHAMBERS

Title (de)

KOLBENKOMPRESSOR ZUM VERDICHTEN GASFÖRMIGER MEDIEN IN WENIGSTENS ZWEI ARBEITSRÄUMEN

Title (fr)

COMPRESSEUR A PISTON POUR COMPRIMER DES SUBSTANCES GAZEUSES DANS AU MOINS DEUX CHAMBRES DE TRAVAIL

Publication

EP 1702162 B1 20071121 (DE)

Application

EP 04803681 A 20041209

Priority

- EP 2004014024 W 20041209
- EP 03028312 A 20031209
- EP 04803681 A 20041209

Abstract (en)

[origin: EP1541867A1] The piston compressor (5) for the compressing of gaseous media in at least two working chambers has a stepped piston (1), a first cylinder (7) to accommodate a first piston section (16) and to form a first working chamber (21), and at least one second cylinder (8) to accommodate a second piston section (17) and to form a second working chamber (22). The second piston section has a smaller diameter than the first, whereby each of the two cylinders is closed off by a plate (2,9) with valve arrangements. The second piston section is guided through an opening (20) in one of the plates (2).

IPC 8 full level

F04B 25/02 (2006.01); **F04B 5/02** (2006.01)

CPC (source: EP US)

F04B 5/02 (2013.01 - EP US); **F04B 25/02** (2013.01 - EP US)

Cited by

EP2161452A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1541867 A1 20050615; DE 502004005581 D1 20080103; EP 1702162 A1 20060920; EP 1702162 B1 20071121; US 2007116588 A1 20070524; WO 2005059362 A1 20050630

DOCDB simple family (application)

EP 03028312 A 20031209; DE 502004005581 T 20041209; EP 04803681 A 20041209; EP 2004014024 W 20041209; US 58161404 A 20041209