

Title (en)

Valved piston compressor

Title (de)

Integriertes Ringventil für einen Kompressorkolben

Title (fr)

Soupape annulaire intégrée dans le piston d'un compresseur

Publication

EP 1437508 B1 20061025 (EN)

Application

EP 03000218 A 20030107

Priority

EP 03000218 A 20030107

Abstract (en)

[origin: EP1437508A1] The device has a piston (1), received in a chamber of housing, including an outer peripheral portion with an annular groove (13) and an upper portion with openings. A sealing ring (2) is received in the annular groove of the piston. The openings of the piston are communicated with the groove and with the chamber when the sealing ring is loosely received in the upper portion of the groove.

IPC 8 full level

F04B 39/00 (2006.01); **F04B 53/12** (2006.01)

CPC (source: EP)

F04B 39/0016 (2013.01); **F04B 53/121** (2013.01); **F04B 53/123** (2013.01)

Cited by

EP3039293A4; DE102007053749A1; DE102007053749B4; JP2022167842A; JP2022164632A; WO2020181477A1; WO2011106947A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1437508 A1 20040714; EP 1437508 B1 20061025; AT E343723 T1 20061115; DE 60309280 D1 20061207; DE 60309280 T2 20070201

DOCDB simple family (application)

EP 03000218 A 20030107; AT 03000218 T 20030107; DE 60309280 T 20030107