

Title (en)

A HERMETIC COMPRESSOR HAVING A RESTRAINER

Title (de)

HERMETISCHER VERDICHTER MIT EINEM RÜCKHALTESYSTEM

Title (fr)

COMPRESSEUR HERMÉTIQUE COMPORTANT UN DISPOSITIF DE RETENUE

Publication

EP 3974650 B1 20240207 (EN)

Application

EP 21187573 A 20210725

Priority

TR 202015443 A 20200929

Abstract (en)

[origin: EP3974650A1] The present invention relates to a hermetic compressor (1) comprising; a housing (2), a cylinder (3) inside the housing (2) and that enables the refrigerant to be sucked and pumped; a piston (4) that is operated in the cylinder (3); a body that supports the cylinder (3) and the piston (4); a cylinder head (5) that enables the refrigerant sucked and pumped by the movement of the piston (4) into the cylinder (3) to be guided; an exhaust chamber (6) that is disposed in the cylinder head (5) wherein the refrigerant fluid pumped during the compression movement of the piston (4) is accumulated; a valve table (7) placed between the cylinder (3) and the cylinder head (5); an exhaust port (8) arranged on the valve table (7) that enables the refrigerant to pass from the cylinder (3) to the exhaust chamber (6) during the compression movement of the piston (4); an exhaust valve (9) disposed on the valve table (7) that opens and closes the exhaust port (8); a restrainer (10) fixed onto the valve table (7) that extends into the exhaust chamber (6) and that restrains the movement of the exhaust valve (9), wherein the exhaust valve (9) and the restrainer (10) are produced from a ferromagnetic material.

IPC 8 full level

F04B 7/00 (2006.01); **F04B 27/08** (2006.01); **F04B 27/10** (2006.01); **F04B 39/10** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP)

F04B 7/0076 (2013.01); **F04B 27/0839** (2013.01); **F04B 27/0873** (2013.01); **F04B 27/1009** (2013.01); **F04B 39/1066** (2013.01); **F04B 39/1073** (2013.01); **F04B 53/108** (2013.01)

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)

EP 3974650 A1 20220330; **EP 3974650 B1 20240207**; TR 202015443 A2 20220421

DOCDB simple family (application)

EP 21187573 A 20210725; TR 202015443 A 20200929