Title (en)

A COMPRESSOR HAVING IMPROVED ASSEMBLY METHOD AND FIXING MEANS PROVIDING THE SAME

Title (de)

VERDICHTER MIT VERBESSERTEM MONTAGEVERFAHREN UND BEFESTIGUNGSMITTEL DAFÜR

Title (fr)

COMPRESSEUR DOTÉ D'UN PROCÉDÉ DE FIXATION AMÉLIORÉ ET SON MOYEN DE FIXATION

Publication

EP 3988785 A1 20220427 (EN)

Application

EP 21199946 A 20210929

Priority

TR 202016945 A 20201023

Abstract (en)

A compressor (1) suitable for cooling appliances comprises: a casing; a motor composed of a stator and a rotor; a cylinder (2) that is disposed in the casing and that enables the refrigerant to be sucked and pumped; a piston that is operated in the cylinder (2); a cylinder head (3) that enables the refrigerant sucked and pumped into the cylinder (2) by means of the piston to be directed wherein the cylinder head (3) comprises a first outlet (4) providing the refrigerant to exit the cylinder head (3); a muffler head (5) that extends from inside the cylinder head (3) toward the cylinder (2); and an element (5) attached onto the cylinder head (2) having an inlet and a second outlet wherein the inlet is configured to coincide with the first outlet (3) such that the refrigerant enters the element (5) after exiting the cylinder head (2).

IPC 8 full level

F04B 39/00 (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01); **F04B 39/14** (2006.01)

CPC (source: EP)

F04B 39/0061 (2013.01); **F04B 39/023** (2013.01); **F04B 39/123** (2013.01); **F04B 39/125** (2013.01); **F04B 39/14** (2013.01)

Citation (applicant)

- WO 2017211704 A1 20171214 - ARCELIK AS [TR]
- US 2017356437 A1 20171214 - DE ANDRADE DANIEL LACERDA [BR], et al

Citation (search report)

- [XI] EP 1477672 A2 20041117 - LG ELECTRONICS INC [KR]
- [AD] WO 2017211704 A1 20171214 - ARCELIK AS [TR]
- [A] WO 2017194516 A1 20171116 - ARCELIK AS [TR]
- [A] WO 2019029905 A1 20190214 - ARCELIK AS [TR]

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 3988785 A1 20220427; TR 202016945 A2 20220523

DOCDB simple family (application)

EP 21199946 A 20210929; TR 202016945 A 20201023