

Title (en)  
COMPRESSOR, AND HEAT PUMP INCLUDING SUCH COMPRESSOR

Title (de)  
VERDICHTER UND WÄRMEPUMPE MIT SOLCH EINEM VERDICHTER

Title (fr)  
COMPRESSEUR ET POMPE À CHALEUR COMPORTANT UN TEL COMPRESSEUR

Publication  
**EP 3421804 A1 20190102 (EN)**

Application  
**EP 17177913 A 20170626**

Priority  
EP 17177913 A 20170626

Abstract (en)  
Compressor (9) for compressing a refrigerant, comprising a housing (11) for containing said refrigerant, a refrigerant pump (10), said pump (10) disposed within said housing (11), and a sump (13) for containing an amount of lubricating oil to a predetermined level (14) is defined within said housing (11) separate from said refrigerant pump (10). Said housing (11) includes means (15, 12) for reducing the amount of lubricating oil contained in said sump (13) while maintaining said level (14). The invention also relates to a heat pump (5, 6, 7, 8, 9) including such compressor (9), the heat pump (5, 6, 7, 8, 9) preferably being contained in a laundry dryer (1).

IPC 8 full level  
**F04C 29/02** (2006.01); **F04B 39/02** (2006.01); **F04C 18/356** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP)  
**F04B 39/023** (2013.01); **F04B 39/0261** (2013.01); **F04C 29/02** (2013.01); **F04C 18/356** (2013.01); **F04C 23/008** (2013.01); **F04C 2240/809** (2013.01)

Citation (applicant)  
WO 2016024009 A1 20160218 - BSH HAUSGERAETE GMBH [DE], et al

Citation (search report)

- [XY] JP 2009002287 A 20090108 - PANASONIC CORP
- [XY] JP H1047267 A 19980217 - MATSUSHITA REFRIGERATION
- [Y] WO 2011148453 A1 20111201 - MITSUBISHI ELECTRIC CORP [JP], et al
- [Y] US 2003010573 A1 20030116 - KUEON YOUNG-SU [KR]
- [A] EP 2514972 A1 20121024 - SANDEN CORP [JP]
- [YDA] WO 2016024009 A1 20160218 - BSH HAUSGERAETE GMBH [DE], et al

Cited by  
WO2024057438A1

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 3421804 A1 20190102**; **EP 3421804 B1 20210421**; PL 3421804 T3 20211115

DOCDB simple family (application)  
**EP 17177913 A 20170626**; PL 17177913 T 20170626