

Title (en)  
Rotary compressor

Title (de)  
Rotationsverdichter

Title (fr)  
Compresseur rotatif

Publication  
**EP 2295807 A3 20161102 (EN)**

Application  
**EP 10168758 A 20100707**

Priority  
JP 2009179690 A 20090731

Abstract (en)  
[origin: US2011027117A1] According to one embodiment, a rotary compressor includes a compressor housing, a compressing unit, a motor, and an oil supply mechanism. The compressor housing has an inlet and an outlet of refrigerant. The compressing unit compresses refrigerant sucked in from the inlet. The motor drives the compressing unit through a rotation shaft. The oil supply mechanism supplies lubricant oil to the compressing unit through an oil supply hole of the rotation shaft. The oil supply mechanism includes a housing hole, a pump case, and a pump vane. The housing hole is communicated with the oil supply hole. The pump case is fitted in the housing hole. The pump vane is housed in the pump case, and includes a large width portion which is locked by the upper inner surface of the pump case.

IPC 8 full level  
**F04C 29/02** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP US)  
**F04C 23/008** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US); **F04C 18/3564** (2013.01 - EP US); **F04C 2230/60** (2013.01 - EP US)

Citation (search report)

- [YD] JP H0649791 U 19940708
- [Y] US 6182794 B1 20010206 - LEE HO SOO [KR]
- [A] JP 2006132333 A 20060525 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2006222551 A1 20061005 - JUNG CHUL-SU [KR], et al

Cited by  
EP2644894A3; US12055325B2; WO2023243854A1

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**US 2011027117 A1 20110203**; AU 2010202892 A1 20110217; AU 2010202892 B2 20150917; AU 2010202892 C1 20160303; CN 101988504 A 20110323; CN 101988504 B 20150429; EP 2295807 A2 20110316; EP 2295807 A3 20161102; EP 2295807 B1 20180815; JP 2011032933 A 20110217; JP 4862925 B2 20120125

DOCDB simple family (application)  
**US 84535110 A 20100728**; AU 2010202892 A 20100708; CN 201010245397 A 20100730; EP 10168758 A 20100707; JP 2009179690 A 20090731