

Title (en)
REFRIGERATION COMPRESSOR WITH VARIABLE SPEED SPIRALS

Title (de)
KÜHLKOMPRESSOR MIT SPIRALEN VON VERÄNDERLICHER GESCHWINDIGKEIT

Title (fr)
COMPRESSEUR FRIGORIFIQUE À SPIRALES À VITESSE VARIABLE

Publication
EP 2174012 A2 20100414 (FR)

Application
EP 08827911 A 20080724

Priority
• FR 2008051391 W 20080724
• FR 0705667 A 20070802

Abstract (en)
[origin: US2009041603A1] This refrigerating compressor comprises a sealed chamber delimiting a suction volume and a compression volume arranged respectively either side of a body contained in the chamber, and an oil injection circuit arranged to inject oil into the compression volume. The oil injection circuit comprises a moving blocking piece, operated by a centrifugal force, between a first position enabling oil injection into the compression volume and a second position preventing or limiting oil injection into the compression volume, the blocking piece being arranged to be displaced into its second position when the speed of the compressor exceeds a predetermined value.

IPC 8 full level
F04C 18/02 (2006.01); **F04C 18/06** (2006.01); **F04C 23/00** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)
F04C 18/0215 (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/023** (2013.01 - EP US); **F04C 29/028** (2013.01 - EP US); **F04C 29/025** (2013.01 - EP US)

Citation (search report)
See references of WO 2009024698A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2919688 A1 20090206; **FR 2919688 B1 20130726**; AT E495365 T1 20110115; CN 101815872 A 20100825; CN 101815872 B 20121114; DE 602008004542 D1 20110224; EP 2174012 A2 20100414; EP 2174012 B1 20110112; US 2009041603 A1 20090212; US 8070465 B2 20111206; WO 2009024698 A2 20090226; WO 2009024698 A3 20090522

DOCDB simple family (application)
FR 0705667 A 20070802; AT 08827911 T 20080724; CN 200880110060 A 20080724; DE 602008004542 T 20080724; EP 08827911 A 20080724; FR 2008051391 W 20080724; US 21951508 A 20080723