

Title (en)  
DOUBLE-ACTION REFRIGERANT COMPRESSOR

Title (de)  
DOPPELTWIRKENDER KÄLTEMITTELKOMPRESSOR

Title (fr)  
COMPRESSEUR FRIGORIFIQUE À DOUBLE ACTION

Publication  
**EP 2661559 B1 20180919 (DE)**

Application  
**EP 12700943 A 20120105**

Priority  
• DE 102011008086 A 20110107  
• EP 2012050150 W 20120105

Abstract (en)  
[origin: WO2012093160A1] The refrigeration compressor is a double-acting refrigeration compressor, comprising a piston (7), which is freely guided on two cylinder sections (41, 42) that are opposite each other and that cannot be moved relative to each other, and which has a flow channel (8) that extends internally through the piston (7), wherein each cylinder section (41, 42) and the piston (7) have at least one check valve (10, 11, 12) along the flow channel (8), wherein the check valves (10, 11, 12) are arranged in such a way that the flow directions thereof are oriented in the same direction.

IPC 8 full level  
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CPC (source: EP RU US)  
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Citation (examination)  
• WO 0240867 A1 20020523 - PNP LUFTFEDERSYSTEME GMBH [DE], et al  
• US 2007260111 A1 20071108 - BAUR THOMAS [DE]

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)  
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**EP 2012050150 W 20120105**; CN 201280004500 A 20120105; DE 102011008086 A 20110107; EP 12700943 A 20120105; JP 2013547860 A 20120105; RU 2013136686 A 20120105; TW 100149510 A 20111229; US 201213977823 A 20120105; US 201715426533 A 20170207