

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 2063122 A4 20150121 (EN)**

Application  
**EP 07792202 A 20070808**

Priority  
• JP 2007065535 W 20070808  
• JP 2006245694 A 20060911

Abstract (en)  
[origin: EP2063122A1] The present invention aims at providing a compressor capable of improving cooling performance on an electric motor, and further improving separation capacity of a refrigerant and lubrication oil. Since the refrigerant flowing into a space 17 at an electric motor 30 side from a compressing part 20 is circulated toward one end in a central axis direction of a stator 32 formed in a cylindrical shape of the electric motor 30 so that a flow velocity of the refrigerant circulating in a space 36 on a downstream side may become faster than that in a space 35 on an upstream side, a coil 32c of the stator 32 can be cooled with the refrigerant which circulates so that the flow velocity thereof on the downstream side may become faster than that on the upstream side toward the one end in the central axis direction of the stator 32, thus enabling to improve cooling performance of the electric motor 30. Further, the lubrication oil included in the refrigerant can be made to adhere to the stator 32 by making the refrigerant collide with the one end in the central axis direction of the stator 32, thus enabling to efficiently separate the lubrication oil included in the refrigerant.

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Citation (search report)  
• [X1] JP 2003106257 A 20030409 - FUJITSU GENERAL LTD  
• [X1] JP H1047268 A 19980217 - HITACHI LTD  
• See references of WO 2008032514A1

Cited by  
US11187230B2; CN106224241A; CN108779776A; CN110741162A; EP3569863A1; US11181109B2; US10634142B2

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DOCDB simple family (publication)  
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