

Title (en)

ELECTRIC COMPRESSOR HAVING DRIVE CIRCUIT INTEGRATED THEREINTO

Title (de)

ELEKTRISCHER KOMPRESSOR MIT DARIN INTEGRIERTEM STEUERKREIS

Title (fr)

COMPRESSEUR ÉLECTRIQUE COMPRENANT UN CIRCUIT DE COMMANDE INTÉGRÉ

Publication

EP 2378120 B1 20150211 (EN)

Application

EP 09833234 A 20091218

Priority

- JP 2009007027 W 20091218
- JP 2008322254 A 20081218

Abstract (en)

[origin: EP2378120A1] Disclosed is a drive circuit-integrated electric compressor, which is adapted to cool a power semiconductor element in a motor drive circuit with good efficiency without increasing the temperature of sucked refrigerant gas and while suppressing increase in pressure loss in a path for cooling. Specifically disclosed is a drive circuit-integrated electric compressor into which a motor drive circuit having a power semiconductor element is incorporated integrally, characterized in that the electric compressor is configured so that the power semiconductor element in the drive circuit is cooled by refrigerant gas to be discharged.

IPC 8 full level

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CPC (source: EP US)

F04B 35/04 (2013.01 - EP US); **F04B 39/06** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 29/047** (2013.01 - EP US); **F04C 18/0215** (2013.01 - EP US); **F04C 2210/261** (2013.01 - EP US); **F04C 2210/263** (2013.01 - EP US); **F04C 2240/808** (2013.01 - EP US)

Citation (examination)

EP 1336518 A2 20030820 - DELPHI TECH INC [US]

Cited by

IT201900014913A1; US11965505B2; WO2021032808A1

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DOCDB simple family (publication)

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