

Title (en)
COMPRESSOR UNIT AND UTILITY VEHICLE HAVING A COOLING MACHINE COMPRISING A COMPRESSOR UNIT OF SAID TYPE

Title (de)
VERDICHTEREINHEIT UND NUTZFAHRZEUG MIT EINER EINE SOLCHE VERDICHTEREINHEIT UMFASSENDEN KÜHLMASCHINE

Title (fr)
UNITÉ COMPRESSEUR ET VÉHICULE UTILITAIRE ÉQUIPÉ D'UNE MACHINE DE REFROIDISSEMENT COMPORTANT UNE TELLE UNITÉ COMPRESSEUR

Publication
EP 2932169 A1 20151021 (DE)

Application
EP 13811863 A 20131213

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• EP 2013076612 W 20131213

Abstract (en)
[origin: WO2014091018A1] The present invention relates to a compressor unit for compressing refrigerant, having an electric drive motor which has a motor housing (30) which encapsulates the drive motor (1) with respect to the environment (U), and having a compressor (2) which is driven by the drive motor (1) and which serves for compressing a refrigerant drawn in by the compressor (2) as a refrigerant intake flow (K), and to a utility vehicle having a cooling machine comprising a compressor unit of said type. The compressor unit according to the invention makes it possible to reliably maintain optimum operating temperatures, even during operation at extreme ambient temperatures, using simple means. The utility vehicle according to the invention ensures high operational reliability even at high ambient temperatures. This is achieved according to the invention in that at least one section of the motor housing (30) of the drive motor (1) is at least intermittently flowed around by at least one partial flow of the refrigerant intake flow (K).

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Citation (search report)
See references of WO 2014091018A1

Citation (examination)
• FR 1300580 A 19620803 - BROWN
• US 3859815 A 19750114 - KASAHARA KEISUKE
• EP 1273468 A1 20030108 - SANYO ELECTRIC CO [JP]
• DE 102010026648 A1 20120112 - GEA GRASSO GMBH [DE]

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