

Title (en)

AIR CONDITIONING SYSTEM AND ENGINE COOLING FOR VEHICLES BY MEANS OF EXHAUST GAS

Title (de)

KLIMAAANLAGE UND MOTORKÜHLUNG FÜR FAHRZUEGE MITTELS ABGAS

Title (fr)

SYSTÈME DE CLIMATISATION ET REFROIDISSEMENT DE MOTEUR POUR VÉHICULES AU MOYEN DE GAZ D'ÉCHAPPEMENT

Publication

EP 3356167 A4 20190619 (DE)

Application

EP 16803833 A 20160530

Priority

- RO 201500376 A 20150603
- RO 2016000020 W 20160530

Abstract (en)

[origin: WO2016195524A2] The invention relates to an installation for air conditioning and engine cooling, which functions by means of exhaust heat and drives a suction unit having multiple pipes (A). The suction unit absorbs the atmospheric air through a heat exchanger having concentric pipes (B), in which the air required for air conditioning (4) is cooled for both summer and winter time. The suction unit having multiple pipes (A) absorbs the atmospheric air through a radiator (C), in which the water required for engine cooling (7) is cooled, thus dispensing with the need for a motor fan, increasing the required motor power and reducing the fuel consumption by approximately two liters. The air transferred to the end pipe of the exhaust system (T) mixes with the exhaust gases so that a breathable mixture is formed. The invention can be used in the automotive industry. This is followed by three pages of drawings (see fig. 1 to fig. 4) and the explanation of the invention using the drawings of structure and, if appropriate, the functioning of the presented invention.

IPC 8 full level

B60H 1/00 (2006.01); **B60K 11/06** (2006.01); **F01N 3/02** (2006.01); **F01N 5/00** (2006.01); **F01N 5/02** (2006.01); **F01N 13/08** (2010.01); **F01P 5/08** (2006.01); **F28D 7/10** (2006.01); **F28F 1/32** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

B60H 1/18 (2013.01); **B60H 1/32** (2013.01); **F01N 3/0205** (2013.01); **F01N 5/02** (2013.01); **F01N 13/082** (2013.01); **F01P 5/08** (2013.01); **F28D 7/103** (2013.01); **F28D 7/106** (2013.01); **F28F 1/32** (2013.01); **F01N 2260/022** (2013.01); **F01N 2470/24** (2013.01); **F01N 2470/30** (2013.01); **F28F 2009/0287** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

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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)

WO 2016195524 A2 20161208; WO 2016195524 A3 20170209; EP 3356167 A2 20180808; EP 3356167 A4 20190619; RO 130985 A0 20160330

DOCDB simple family (application)

RO 2016000020 W 20160530; EP 16803833 A 20160530; RO 201500376 A 20150603