

Title (en)

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

Title (de)

KLIMAANLAGE UND MOTORKÜHLUNG FÜR FAHRZUEGE MITTELS ABGAS

Title (fr)

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

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Application

EP 16803833 A 20160530

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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

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Citation (search report)

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