

Title (en)

ARRANGEMENT FOR COOLING OF COMPRESSED AIR AND/OR RECIRCULATING EXHAUST GASES WHICH ARE LED TO A COMBUSTION ENGINE

Title (de)

ANORDNUNG ZUR KÜHLUNG VON DRUCKLUFT UND/ODER IN EINEN VERBRENNUNGSMOTOR GELEITETEN REZIRKULIERENDEN ABGASEN

Title (fr)

AGENCEMENT PERMETTANT DE REFROIDIR DE L'AIR COMPRIMÉ ET/OU DES GAZ D'ÉCHAPPEMENT RECYCLÉS QUI SONT AMENÉS JUSQU'À UN MOTEUR À COMBUSTION

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Application

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Abstract (en)

[origin: WO2011136717A1] The present invention relates to an arrangement for cooling at least one medium which is led to a combustion engine(2). The arrangement comprises a line (8, 11) adapted to leading the medium to the combustion engine(2), and at least one cooler (9, 15) for cooling the medium in the line (8, 11). The arrangement comprises a cooling circuit with a circulating cooling medium adapted to changing phase during operation, power means(24, 25, 33, 34) adapted to causing operation of the cooling circuit mainly by means of thermal energy from a heat source, and an evaporator(16) situated in the line (8, 11) at a location downstream of said cooler (9, 15) with respect to the direction of flow of the medium in the line (8, 11) so that the medium undergoes a final step of cooling in the evaporator(16) before it is led to the combustion engine(2).

IPC 8 full level

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Citation (search report)

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- [XI] WO 2009072963 A1 20090611 - SCANIA CV AB [SE], et al
- [Y] US 2009020263 A1 20090122 - OHSAWA AKIHIRO [JP], et al
- [A] US 4563983 A 19860114 - HAYASHI YOSHIMASA [JP], et al
- See references of WO 2011136717A1

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