

Title (en)

ARRANGEMENT FOR PREVENTING ICE FORMATION IN A CHARGE AIR COOLER

Title (de)

ANORDNUNG ZUR VERHINDERUNG DER BILDUNG VON EIS IN EINEM LADUNGSLUFTKÜHLER

Title (fr)

DISPOSITIF POUR PRÉVENIR LA FORMATION DE GLACE DANS UN REFROIDISSEUR D'AIR D'ALIMENTATION

Publication

**EP 2536931 A4 20150506 (EN)**

Application

**EP 11744964 A 20110207**

Priority

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- SE 2011050136 W 20110207

Abstract (en)

[origin: WO2011102784A1] The present invention relates to an arrangement for preventing ice formation in a charge air cooler which comprises a radiator portion (3) in which compressed air is cooled by surrounding air which flows through the radiator portion (3). The arrangement comprises a first flow element (7a) which in a closed position is adapted to preventing compressed air from being led through a region (A) of the radiator portion (3), a second flow element (7b) which in a closed position is adapted to preventing compressed air from being led through a second region (B) of the radiator portion (3) which is larger than the first region of the radiator portion (A), and a control unit (10) adapted to receiving information concerning at least one parameter (11, 12, 14) which is related to the risk of ice formation in the charge air cooler, which control unit (10), in cases where said parameter or parameters indicate that there is risk of ice formation in the charge air cooler, is adapted to placing one of the flow elements (7a, 7b) in a closed position so that the compressed air is led through a reduced region (RA, RB) of the radiator portion (3).

IPC 8 full level

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Citation (search report)

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- [Y] WO 2004040106 A1 20040513 - SCANIA CV ABP [SE], et al
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- See also references of WO 2011102784A1

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