

Title (en)

Cooling device for the cooling of switch cabinets or components in railway vehicles

Title (de)

Kühleinrichtung zum Kühlen von Schaltschränken oder Bauteilen in Schienenfahrzeugen

Title (fr)

Dispositif de refroidissement permettant de refroidir des armoires de commande ou composants dans véhicules ferroviaires

Publication

EP 0943520 B1 20040922 (DE)

Application

EP 99105586 A 19990318

Priority

DE 19811719 A 19980318

Abstract (en)

[origin: EP0943520A1] The heat exchanger (6), with the outer air feed flaps in the vehicle closed and/or on failure of the vehicle-side air conditioning equipment, maintains the availability of cooling power. Within the cooling device is at least one fan (4). The heat exchanger is provided with cooling power by cooling units in the vehicle. Within the air channel system (3) is an air feed flap (7) which is closed in normal operation. The input air flows along the switch cabinet (1) or component part and in pressure protection operation with all air flaps closed or by failure of the vehicle-side air conditioning equipment the air feed flap (7) is opened so that the cooling air in air circulation operation in the closed system is fed to the switch cabinet or component parts.

IPC 1-7

B61C 17/04; **B61D 27/00**

IPC 8 full level

B61C 17/04 (2006.01); **B61D 27/00** (2006.01)

CPC (source: EP)

B61C 17/04 (2013.01); **B61D 27/0072** (2013.01)

Cited by

DE102006002606B3; AT502757B1; DE102008052112B4; DE102005045610A1; DE102005045610B4; DE102008052112A1; JPWO2017149594A1; EP3424792A4; WO2021028229A1; WO2016169762A1; WO2011131444A1; WO2008006679A3; WO2010046261A1; EP3209104B1

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