

Title (en)

RAIL VEHICLE COMPRISING A COMPRESSOR, AND METHOD FOR OPERATING A RAIL VEHICLE

Title (de)

SCHIENENFAHRZEUG MIT KOMPRESSOR UND VERFAHREN ZUM BETREIBEN EINES SCHIENENFAHRZEUGES

Title (fr)

VÉHICULE FERROVIAIRE COMPRENANT UN COMPRESSEUR ET PROCÉDÉ POUR LE FONCTIONNEMENT D'UN VÉHICULE FERROVIAIRE

Publication

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Application

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Abstract (en)

[origin: WO2021219406A1] The invention relates to a rail vehicle (10) comprising at least one compressor (20, 20') which is suitable for generating compressed air (D) for the rail vehicle (10), wherein the compressor (20, 20') and a motor (30, 30') driving the compressor (20, 20') are situated in a housing (50) which separates, by means of a housing wall, the compressor (20, 20') and the motor (30, 30') from an interior (12) of the rail vehicle (10) located outside the housing (50). According to the invention, the motor (30, 30') is cooled by means of ambient air (U) which is conducted from outside the rail vehicle (10) by means of a motor cooling air line (L2), through a motor cooling air opening (O2, O2') and into the housing (50), and is directly conducted to the motor (30, 30'), and/or the air to be compressed by the compressor (20, 20') is ambient air (U) which is conducted from outside the rail vehicle (10) to the compressor (20, 20') by means of a compressor suction line.

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