

Title (en)

COMPRESSOR FOR AN AIR PRESSURE SYSTEM OF A RAIL VEHICLE, AIR SUPPLY UNIT COMPRISING SUCH A COMPRESSOR, SYSTEM COMPRISING A HVAC SYSTEM FOR A RAIL VEHICLE AND THE AIR SUPPLY UNIT, AND METHOD FOR PROVIDING AIR FOR THE AIR PRESSURE SYSTEM

Title (de)

KOMPRESSOR FÜR EIN LUFTDRUCKSYSTEM EINES SCHIENENFAHRZEUGS, LUFTVERSORGUNGSEINHEIT MIT EINEM SOLCHEN KOMPRESSOR, SYSTEM MIT EINEM HLK-SYSTEM FÜR EIN SCHIENENFAHRZEUG UND LUFTVERSORGUNGSEINHEIT SOWIE VERFAHREN ZUR LUFTVERSORGUNG DES LUFTDRUCKSYSTEMS

Title (fr)

COMPRESSEUR POUR SYSTÈME DE PRESSION D'AIR DE VÉHICULE FERROVIAIRE, UNITÉ D'ALIMENTATION EN AIR COMPRENANT UN TEL COMPRESSEUR, SYSTÈME COMPRENANT UN SYSTÈME HVAC POUR VÉHICULE FERROVIAIRE ET L'UNITÉ D'ALIMENTATION EN AIR ET PROCÉDÉ DE FOURNITURE D'AIR POUR LE SYSTÈME DE PRESSION D'AIR

Publication

**EP 4293224 A1 20231220 (EN)**

Application

**EP 22179151 A 20220615**

Priority

EP 22179151 A 20220615

Abstract (en)

A compressor (7, 12) for an air pressure system of a rail vehicle (1), an air supply unit comprising such a compressor, a system comprising a HVAC system for a rail vehicle and the air supply unit, and a method for providing air for the air pressure system are provided. The compressor (7, 12) comprises an intake duct (10) configured to be connected to a HVAC system (2) of the rail vehicle (1) for enabling flow of process air conditioned by the HVAC system (2) from the HVAC system (2) to the compressor (7, 12).

IPC 8 full level

**F04B 25/00** (2006.01); **F04B 39/06** (2006.01)

CPC (source: EP)

**F04B 25/00** (2013.01); **F04B 39/06** (2013.01); **F04B 39/068** (2013.01)

Citation (search report)

- [X] WO 2020186589 A1 20200924 - UNIV TIANJIN [CN]
- [X] US 11207949 B2 20211228 - HE JING [US], et al
- [A] KR 101886756 B1 20180810
- [A] US 2015322934 A1 20151112 - HRITZ JEFFREY [US]
- [A] US 2015285264 A1 20151008 - KENNEDY THOMAS A [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4293224 A1 20231220**; WO 2023241975 A1 20231221

DOCDB simple family (application)

**EP 22179151 A 20220615**; EP 2023064987 W 20230605