

Title (en)

INTERFACE AND ASSEMBLY FOR CONNECTING REFRIGERANT TUBES IN A COOLING ASSEMBLY OF AN ELECTRICAL STORAGE DEVICE

Title (de)

SCHNITTSTELLE UND ANORDNUNG ZUM VERBINDEN VON KÄLTEMITTELROHREN IN EINER KÜHLANORDNUNG EINER ELEKTRISCHEN SPEICHERVORRICHTUNG

Title (fr)

INTERFACE ET ENSEMBLE DE RACCORDEMENT DE TUBULURES DE FLUIDE RÉFRIGÉRANT DANS UN ENSEMBLE DE REFOUILLISSEMENT D'UN DISPOSITIF DE STOCKAGE ÉLECTRIQUE

Publication

EP 3948139 A1 20220209 (FR)

Application

EP 20713006 A 20200326

Priority

- FR 1903358 A 20190329
- EP 2020058545 W 20200326

Abstract (en)

[origin: WO2020201011A1] The invention relates to a connection interface (20) for a connection assembly (10) for connecting refrigerant tubes in a cooling assembly of a motor vehicle electrical storage device, the connection assembly (10) comprising at least one flange (18) made integral with a heat exchange member (4), said connection interface (20) being arranged at end portions (24) of refrigerant fluid tubes to be connected to said heat exchange member, characterised in that the connection interface (20) comprises a first portion (50) integral with the end of each of the tubes (12) and a second portion (52) mounted freely around the tubes, the second portion comprising openings (64, 66) for passing the tubes dimensioned to allow a clearance for relative movement therebetween of the two portions (50, 52) of the connection interface (20), at least in a plane perpendicular to a direction of elongation of the end portions of the tubes, the connection interface (20) being configured to engage with a securing member (36) capable of setting the position of the two portions relative to each other.

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP US)

F28F 9/0253 (2013.01 - EP US); **F28F 9/0256** (2013.01 - EP US); **F28F 2230/00** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2020201011A1

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

DOCDB simple family (publication)

FR 3094471 A1 20201002; **FR 3094471 B1 20220805**; CN 113874676 A 20211231; EP 3948139 A1 20220209; US 2022196346 A1 20220623; WO 2020201011 A1 20201008

DOCDB simple family (application)

FR 1903358 A 20190329; CN 202080037928 A 20200326; EP 2020058545 W 20200326; EP 20713006 A 20200326; US 202017599927 A 20200326