

Title (en)

A COOLANT LINE OF A REFRIGERANT CIRCUIT AND METHOD OF MANUFACTURING THEREOF

Title (de)

KÜHLMITTELLEITUNG EINES KÄLTEMITTELKREISLAUF UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CONDUITE DE REFROIDISSEMENT DE CIRCUIT DE FLUIDE FRIGORIGÈNE ET PROCÉDÉ DE FABRICATION ASSOCIÉ

Publication

EP 3743646 A1 20201202 (EN)

Application

EP 18718911 A 20180123

Priority

IB 2018050408 W 20180123

Abstract (en)

[origin: WO2019145749A1] The subject of the invention is a coolant line of a refrigerant circuit consist of at least one rigid pipe (1) connected to an end of a flexible hose (2). This hose comprise an inner corrugated tube (3) with outer surface coated with an elastomer (5), a cylindrical fitting (6) at each end of the corrugated tube (3). Moreover the flexible hose (2) has an outer composite hose (13) covering the corrugated tube (3) and a major part of each fitting (6), a socket (17) clamped around each fitting (6) and end of the outer composite hose (3). The fittings (6) are inseparably connected to the corrugated tube (3) by a weld (12). The invention relates also to a method of manufacturing thereof.

IPC 8 full level

F16L 11/115 (2006.01); **F16L 11/118** (2006.01); **F16L 11/15** (2006.01); **F16L 13/02** (2006.01); **F16L 33/207** (2006.01)

CPC (source: EP)

F16L 11/115 (2013.01); **F16L 11/118** (2013.01); **F16L 11/15** (2013.01); **F16L 13/02** (2013.01); **F16L 33/2076** (2013.01)

Citation (search report)

See references of WO 2019145749A1

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)

WO 2019145749 A1 20190801; CN 111954777 A 20201117; EP 3743646 A1 20201202

DOCDB simple family (application)

IB 2018050408 W 20180123; CN 201880091667 A 20180123; EP 18718911 A 20180123