

Title (en)

DUCT CONNECTION PORT AND VENTILATION DEVICE

Title (de)

LEITUNGSANSCHLUSSPORT UND BELÜFTUNGSVORRICHTUNG

Title (fr)

ORIFICE DE RACCORDEMENT DE CONDUIT ET DISPOSITIF DE VENTILATION

Publication

EP 3633284 A4 20200610 (EN)

Application

EP 17911905 A 20170530

Priority

JP 2017020002 W 20170530

Abstract (en)

[origin: EP3633284A1] A duct connection port (22) to be mounted to a heat exchange ventilator that is a ventilator for connection to a ventilation duct includes an outer hull and an inner hull (22h). The outer hull includes cylindrical parts (22b, 22c, and 22d) to be connected to ducts. The inner hull (22h) defines a passage for a ventilation air flow. The inner hull is disposed inside the cylindrical parts (22c, 22d) defining a part of the outer hull, and is spaced away from the cylindrical parts (22c and 22d). The cylindrical parts (22b, 22c, and 22d) defining the outer hull are integral with the inner hull (22h).

IPC 8 full level

F24F 13/02 (2006.01); **F24F 7/06** (2006.01); **F24F 7/08** (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP)

F24F 7/06 (2013.01); **F24F 7/08** (2013.01); **F24F 13/02** (2013.01); **F24F 13/0209** (2013.01); **F24F 13/0263** (2013.01); **F24F 13/20** (2013.01)

Citation (search report)

- [X] JP 2013148299 A 20130801 - MITSUBISHI ELECTRIC CORP
- [XI] EP 2426425 A1 20120307 - MITSUBISHI ELECTRIC CORP [JP]
- [XI] JP 2012241979 A 20121210 - MITSUBISHI ELECTRIC CORP
- [A] US 4890864 A 19900102 - ANDERSON CHARLES B [US], et al
- [A] US 2016265699 A1 20160915 - SMITH MARK HOWARD [US], et al
- See also references of WO 2018220697A1

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)

EP 3633284 A1 20200408; **EP 3633284 A4 20200610**; JP WO2018220697 A1 20191107; WO 2018220697 A1 20181206

DOCDB simple family (application)

EP 17911905 A 20170530; JP 2017020002 W 20170530; JP 2019521559 A 20170530