

Title (en)
HEAT SOURCE-SIDE UNIT AND AIR CONDITIONING DEVICE

Title (de)
WÄRMEQUELLENSEITIGE EINHEIT UND KLIMATISIERUNGSVORRICHTUNG

Title (fr)
UNITÉ CÔTÉ SOURCE DE CHALEUR ET DISPOSITIF DE CLIMATISATION

Publication
EP 3106768 A4 20171004 (EN)

Application
EP 14882411 A 20140214

Priority
JP 2014053534 W 20140214

Abstract (en)
[origin: US2016252290A1] A heat-source-side unit includes a body case having an air inlet and an air outlet, a heat exchanger contained in the body case and disposed to an air passage between the air inlet and the air outlet, and a damper disposed above the heat exchanger and configured to open and close the air passage. The damper is closed in a defrosting operation that removes frost on the heat exchanger.

IPC 8 full level
F24F 11/02 (2006.01); **F24F 1/16** (2011.01); **F24F 1/48** (2011.01); **F25B 47/02** (2006.01); **F25D 21/06** (2006.01)

CPC (source: EP US)
F24F 1/48 (2013.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/42** (2017.12 - EP US); **F24F 13/10** (2013.01 - EP US); **F25B 13/00** (2013.01 - EP US); **F25B 47/022** (2013.01 - EP US); **F25D 21/002** (2013.01 - US); **F25D 21/125** (2013.01 - US); **F24F 11/41** (2017.12 - EP US); **F25B 2313/0251** (2013.01 - EP US); **F25B 2313/0315** (2013.01 - EP US); **F25B 2400/06** (2013.01 - EP US)

Citation (search report)

- [XII] WO 2013038438 A1 20130321 - MITSUBISHI ELECTRIC CORP [JP], et al
- [XII] WO 2013038439 A1 20130321 - MITSUBISHI ELECTRIC CORP [JP], et al
- [XII] JP 2008175468 A 20080731 - TOYO SEISAKUSHO KK
- [I] JP 2010249335 A 20101104 - MITSUBISHI ELECTRIC CORP
- [I] US 2012036873 A1 20120216 - BUSH JOSEPH P [US]
- See references of WO 2015121985A1

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

DOCDB simple family (publication)
US 2016252290 A1 20160901; EP 3106768 A1 20161221; EP 3106768 A4 20171004; EP 3106768 B1 20200826; JP 6091663 B2 20170308; JP WO2015121985 A1 20170330; WO 2015121985 A1 20150820

DOCDB simple family (application)
US 201415030612 A 20140214; EP 14882411 A 20140214; JP 2014053534 W 20140214; JP 2015562653 A 20140214