

Title (en)
WATER HEAT EXCHANGER ACCOMMODATION UNIT

Title (de)
AUFNAHMEEINHEIT FÜR WASSERWÄRMETAUSCHER

Title (fr)
ENSEMBLE DE LOGEMENT D'ÉCHANGEUR DE CHALEUR À EAU

Publication
EP 3358279 A4 20190612 (EN)

Application
EP 16851177 A 20160914

Priority
• JP 2015193539 A 20150930
• JP 2016077171 W 20160914

Abstract (en)
[origin: EP3358279A1] The cold/hot water supply unit 200 includes a water heat exchanger (201) through which a flammable refrigerant flows, a casing (231) accommodating the water heat exchanger (201), and a discharge member (230, 270) connected to a connection port (241) provided below the refrigerant pipe connection portion in the casing (231). The discharge member (230, 270) discharges the flammable refrigerant leaking into the casing (231) from the connection port (241) to the outside of the casing (231).

IPC 8 full level
F25B 49/02 (2006.01); **F24F 11/36** (2018.01); **F24H 4/00** (2006.01); **F24H 9/02** (2006.01); **F24H 9/16** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP)
F24H 4/00 (2013.01); **F24H 9/02** (2013.01); **F24H 9/17** (2022.01); **F24F 11/36** (2017.12); **F25B 2339/047** (2013.01)

Citation (search report)
• [XY] WO 03010473 A1 20030206 - CLIMASTAR SA [FR], et al
• [X] WO 2013038599 A1 20130321 - PANASONIC CORP [JP], et al
• [Y] JP 2003254564 A 20030910 - MITSUBISHI ELECTRIC CORP
• [Y] JP 2013029253 A 20130207 - HOSHIZAKI ELECTRIC CO LTD
• [A] JP 2008292066 A 20081204 - HITACHI APPLIANCES INC
• [A] JP 2990570 B2 19991213
• [A] EP 1061310 A2 20001220 - MATSUSHITA ELECTRIC IND CO LTD [JP]
• See references of WO 2017057003A1

Cited by
EP3869117A1; US11747096B2; EP3705799A1; EP3767186A1; EP3767187A1; DE102019119229A1; EP3800263A1; EP4130600A4; WO2023041810A1; US11927377B2; US11953239B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3358279 A1 20180808; EP 3358279 A4 20190612; EP 3358279 B1 20200624; CN 108027190 A 20180511; JP 2017067372 A 20170406; JP 6623649 B2 20191225; WO 2017057003 A1 20170406

DOCDB simple family (application)
EP 16851177 A 20160914; CN 201680055926 A 20160914; JP 2015193539 A 20150930; JP 2016077171 W 20160914