Title (en)
REFRIGERATION AND AIR-CONDITIONING DEVICE

Title (de)
KÄLTE-KLIMAANLAGE

Title (fr)
DISPOSITIF DE RÉFRIGÉRATION ET DE CLIMATISATION

Publication
EP 2682686 A4 20140813 (EN)

Application
EP 11860082 A 20110301

Priority
JP 2011001174 W 20110301

Abstract (en)
[origin: US2013305758A1] A refrigerating and air-conditioning apparatus that achieves reduced limitations with respect to the communication of indoor units and can identify which indoor unit is connected to each branch port is obtained. Indoor units are made to operate on a one-by-one basis, and it is identified which indoor unit is connected to each branch port on the basis of the difference between an inlet temperature and an outlet temperature at the branch port at that time.

IPC 8 full level
F24F 11/02 (2006.01); F24F 1/32 (2011.01); F25B 13/00 (2006.01); F25B 25/00 (2006.01); F25B 49/02 (2006.01)

CPC (source: EP US)
F25B 13/00 (2013.01 - EP US); F25B 25/005 (2013.01 - EP US); F25B 49/005 (2013.01 - EP US); F25B 49/02 (2013.01 - US); F25B 2313/0231 (2013.01 - EP US); F25B 2313/0272 (2013.01 - EP US); F25B 2313/02741 (2013.01 - EP US); F25B 2313/0314 (2013.01 - EP US)

Citation (search report)
- [A] WO 2010109571 A1 20100930 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] WO 2010109627 A1 20100930 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] WO 2010049999 A1 20100506 - MITSUBISHI ELECTRIC CORP [JP], et al
- See references of WO 2012117441A1

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 2013305758 A1 20131121; CN 103403464 A 20131120; CN 103403464 B 20160120; EP 2682686 A1 20140108; EP 2682686 A4 20140813; EP 2682686 B1 20191106; JP 5558625 B2 20140723; JP WO2012117441 A1 20140707; WO 2012117441 A1 20120907

DOCDB simple family (application)
US 201113982503 A 20110301; CN 201180068778 A 20110301; EP 11860082 A 20110301; JP 2011001174 W 20110301; JP 2013502038 A 20110301