

Title (en)
REVERSIBLE RECEIVER, AND AIR CONDITIONER

Title (de)
UMKEHRBARER EMPFÄNGER UND KLIMAANLAGE

Title (fr)
RÉCEPTEUR RÉVERSIBLE, ET CLIMATISEUR

Publication
EP 2535668 A4 20130828 (EN)

Application
EP 11742072 A 20110117

Priority
• JP 2010027738 A 20100210
• JP 2011050636 W 20110117

Abstract (en)
[origin: EP2535668A1] Provided are a reversible receiver that is used in a multi-type air conditioner and that can suppress an excessive increase in the pressure of a refrigerant during heating operation even if the number of indoor units is reduced, and an air conditioner. The reversible receiver includes a container (51) storing the refrigerant therein; a first pipe (52) having an opening (53A) at an upper end thereof and extending upward from a lower portion of the container (51), the first pipe (52A) allowing the refrigerant to flow into the container (51) when cooling operation is performed and allowing the refrigerant to flow out from the container (51) when heating operation is performed by the air conditioner; and a second pipe (52B) having an opening (53B) at an upper end thereof and extending upward from the lower portion of the container (51), the second pipe (52B) allowing the refrigerant to flow out from the container (51) when the cooling operation is performed and allowing the refrigerant to flow into the container (51) when the heating operation is performed by the air conditioner. The first pipe (52A) extends further upward relative to the second pipe (52B), and a side surface of an area, which is disposed within the container (51), of the first pipe (52A) is provided with a communicating hole (54) that connects the first pipe (52A) and an interior of the container (51).

IPC 8 full level
F25B 1/00 (2006.01); **F25B 13/00** (2006.01); **F25B 43/00** (2006.01)

CPC (source: EP)
F25B 43/006 (2013.01); **F25B 45/00** (2013.01); **F25B 13/00** (2013.01); **F25B 2400/16** (2013.01); **F25B 2500/02** (2013.01)

Citation (search report)
• [XI] JP S544464 U 19790112
• [XI] JP S485366 U 19730122
• See references of WO 2011099323A1

Cited by
EP2916086A1; CN105241132A; US11592216B2; WO2018177476A1

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)
EP 2535668 A1 20121219; **EP 2535668 A4 20130828**; JP 2011163674 A 20110825; WO 2011099323 A1 20110818

DOCDB simple family (application)
EP 11742072 A 20110117; JP 2010027738 A 20100210; JP 2011050636 W 20110117