

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 2778569 B1 20201216 (EN)

Application
EP 12841464 A 20121019

Priority
• KR 20110108202 A 20111021
• KR 2012008589 W 20121019

Abstract (en)
[origin: EP2778569A1] The present invention relates to an air conditioner in which oils mixed in the refrigerant compressed by a plurality of compressors are separated together and recovered in an efficient manner. An air conditioner according to an embodiment of the present invention comprises: a plurality of compressors for compressing refrigerant; an oil separator connected to the plurality of compressors so as to separate oils mixed with the refrigerant compressed by the plurality of compressors; an oil discharge pipe connected to the oil separator so as to discharge the oils separated by the oil separator, and a plurality of oil recovery pipes branched from the oil discharge pipe so as to recover the oils separated by the oil separator to the plurality of compressors.

IPC 8 full level
F24F 1/00 (2019.01); **F25B 1/00** (2006.01); **F25B 31/00** (2006.01); **F25B 43/02** (2006.01)

CPC (source: EP KR US)
F24F 1/00 (2013.01 - KR); **F25B 1/00** (2013.01 - KR); **F25B 1/10** (2013.01 - US); **F25B 31/004** (2013.01 - EP US);
F25B 43/02 (2013.01 - EP KR US); **F25B 49/02** (2013.01 - US); **F25B 2400/075** (2013.01 - EP US); **F25B 2600/2519** (2013.01 - EP US);
F25B 2700/03 (2013.01 - EP US)

Cited by
CN107771267A; EP3254037A4; WO2019097554A1

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 2778569 A1 20140917; **EP 2778569 A4 20160127**; **EP 2778569 B1 20201216**; KR 101342649 B1 20131217; KR 20130043978 A 20130502;
US 2014326008 A1 20141106; WO 2013058595 A1 20130425

DOCDB simple family (application)
EP 12841464 A 20121019; KR 20110108202 A 20111021; KR 2012008589 W 20121019; US 201214353106 A 20121019