

Title (en)
Cooling unit for air conditioning systems

Title (de)
Kühleinheit für Klimaanlage

Title (fr)
Unité de refroidissement pour système de climatisation

Publication
EP 1830136 B1 20110615 (EN)

Application
EP 07003618 A 20070301

Priority
FI 20060213 A 20060303

Abstract (en)
[origin: EP1830136A1] The invention relates to a cooling unit installable into the air-conditioning systems of buildings for cooling/heating the indoor air thereof, the indoor spaces being cooled/heated by the supply air and liquid coolant-circulating cooling elements (7), The invention is implemented by way of complementing the intake air cooling/heating function of the cooling unit with a liquid-coolant cooler coupled to the same main circuit and passing the coolant to liquid-coolant circulating cooling devices (7) serving to cool the indoor spaces,

IPC 8 full level
F24F 5/00 (2006.01); **F24F 3/06** (2006.01)

CPC (source: EP FI KR NO)
F24D 9/00 (2013.01 - FI); **F24F 3/06** (2013.01 - EP FI NO); **F24F 5/00** (2013.01 - KR); **F24F 5/001** (2013.01 - EP NO); **F25B 1/00** (2013.01 - KR); **F25B 1/10** (2013.01 - KR); **F25B 7/00** (2013.01 - KR)

Cited by
EP2116780A3; NO341901B1; EP2116788A3; CN110081576A; WO2010010557A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1830136 A1 20070905; EP 1830136 B1 20110615; AT E513170 T1 20110715; CN 101029757 A 20070905; CN 101029757 B 20110608; DK 1830136 T3 20110926; FI 20060213 A0 20060303; FI 20060213 L 20070904; KR 101335983 B1 20131204; KR 20070090781 A 20070906; NO 20071154 L 20070904; NO 339882 B1 20170213; RU 2007108018 A 20080910; RU 2435110 C2 20111127

DOCDB simple family (application)
EP 07003618 A 20070301; AT 07003618 T 20070301; CN 200710100629 A 20070302; DK 07003618 T 20070301; FI 20060213 A 20060303; KR 20070020285 A 20070228; NO 20071154 A 20070301; RU 2007108018 A 20070302