

Title (en)
SUBCOOLER AND AIR CONDITIONER INCLUDING THE SAME

Title (de)
UNTERKÜHLER UND DAMIT VERSEHENE KLIMAANLAGE

Title (fr)
SOUS-REFROIDISSEUR ET CLIMATISEUR COMPRENANT CELUI-CI

Publication
EP 3086070 A1 20161026 (EN)

Application
EP 16165548 A 20160415

Priority
KR 20150058054 A 20150424

Abstract (en)
A subcooler and an air conditioner including the same are provided. The includes a supercooling body to receive a first refrigerant passed through a condenser and a second refrigerant branched from the first refrigerant, a plurality of internal tubes provided inside the supercooling body and through which the first refrigerant flows, a flow path through which the second refrigerant flows, the flow path being a space external to the internal tubes in the supercooling body, and a baffle to support at least one of the internal tubes, wherein the baffle comprises a baffle body having an outer circumferential surface that is coupled to the supercooling body, a through-hole formed at the baffle body and through which a first internal tube of the internal tubes passes, and a support groove to support a second internal tube of the internal tubes.

IPC 8 full level
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Citation (applicant)
KR 20130027290 A 20130315 - LG ELECTRONICS INC [KR]

Citation (search report)
• [X] US 2014262171 A1 20140918 - LJUBICIC BLAZO [LU]
• [X] US 4699211 A 19871013 - GEARY DAVID F [US], et al
• [X] US 3630276 A 19711228 - KIKIN GERALD M, et al
• [X] JP 2012072923 A 20120412 - MDI CORP
• [A] JP 2012207813 A 20121025 - TOKYO ELECTRIC POWER CO INC

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
EP 16165548 A 20160415; CN 201610105922 A 20160226; KR 20150058054 A 20150424; US 201615060209 A 20160303