

Title (en)
IMPROVED EVAPORATIVE CONDENSER

Title (de)
VERBESSERTER VERDAMPFUNGSKONDENSATOR

Title (fr)
CONDENSEUR ÉVAPORATIF AMÉLIORÉ

Publication
EP 3146279 A4 20180214 (EN)

Application
EP 15792017 A 20150513

Priority
• AU 2014901764 A 20140513
• AU 2015000277 W 20150513

Abstract (en)
[origin: WO2015172180A1] An evaporative condenser (10) for use in a refrigeration or air-conditioning system comprises one or more condensing coils (12) arranged in a condensing coil zone (13). The coils condense therewithin a refrigerant of the system. The condenser also comprises a mechanism (14, 15) for wetting the one or more condensing coils (12). The condenser further comprises drift eliminators (30) arranged to remove free water from an airstream A that has flowed past the one or more condensing coils and wetting mechanism (14, 15). The condenser additionally comprises a divergent zone (40) that diverges from the condensing coil zone (13) towards the drift eliminators (30) such that, once the airstream has flowed past the one or more condensing coils (12), it flows into and through the divergent zone 40 to the drift eliminators (30).

IPC 8 full level
F25B 39/04 (2006.01); **F28D 5/02** (2006.01)

CPC (source: EP KR US)
F25B 39/00 (2013.01 - US); **F25B 39/04** (2013.01 - EP KR US); **F28B 1/02** (2013.01 - EP KR US); **F28C 1/14** (2013.01 - EP KR US); **F28C 1/16** (2013.01 - EP KR US); **F28D 3/02** (2013.01 - EP KR US); **F28D 7/082** (2013.01 - EP KR US); **F28F 25/02** (2013.01 - KR); **F25B 2339/041** (2013.01 - US); **F25B 2339/046** (2013.01 - US); **F25B 2339/047** (2013.01 - KR); **F28F 2025/005** (2013.01 - KR); **Y02B 30/70** (2013.01 - EP)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2015172180A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015172180 A1 20151119; AU 2015258758 A1 20161117; CA 2947774 A1 20151119; CN 106461297 A 20170222; EP 3146279 A1 20170329; EP 3146279 A4 20180214; JP 2017519182 A 20170713; KR 20170005047 A 20170111; US 2017153048 A1 20170601; ZA 201607964 B 20190424

DOCDB simple family (application)
AU 2015000277 W 20150513; AU 2015258758 A 20150513; CA 2947774 A 20150513; CN 201580025168 A 20150513; EP 15792017 A 20150513; JP 2017512071 A 20150513; KR 20167033827 A 20150513; US 201515310001 A 20150513; ZA 201607964 A 20161117