Title (en)

COOLING FLUID APPLICATION AND CIRCULATION SYSTEM FOR DIRECT EVAPORATIVE COOLER

Title (de)

KÜHLFLÜSSIGKEITSANWENDUNGS- UND -ZIRKULATIONSSYSTEM FÜR DIREKTVERDAMPFUNGSKÜHLER

Title (fr)

APPLICATION DE FLUIDE DE REFROIDISSEMENT ET SYSTÈME DE CIRCULATION POUR REFROIDISSEUR À ÉVAPORATION DIRECTE

Publication

EP 3362758 A1 20180822 (EN)

Application

EP 16856314 A 20161014

Priority

- US 201562242569 P 20151016
- US 2016057140 W 20161014

Abstract (en)

[origin: WO2017066636A1] An evaporative cooling system includes a heat exchange medium for receiving cooling fluid to cool supply air flowing past the heat exchange medium, a cooling fluid source for supplying fresh cooling fluid, a supply line communicating with the cooling fluid source for supplying the cooling fluid to the heat exchange medium, a return reservoir for collecting the cooling fluid supplied to the heat exchange medium, and a pump provided in the supply line for recirculating the cooling fluid collected in the reservoir into the supply line so as to provide recirculated cooling fluid along with fresh cooling fluid to the heat exchange medium. The pump can be in the form of an eductor.

IPC 8 full level

F28C 3/08 (2006.01)

CPC (source: EP US)

F24F 5/0035 (2013.01 - EP US); **F24F 6/04** (2013.01 - EP US); **F25B 19/00** (2013.01 - EP US); **F25B 49/00** (2013.01 - US); F25B 41/00 (2013.01 - EP US); F25B 2341/001 (2013.01 - US); F25B 2600/2515 (2013.01 - US); F25B 2700/04 (2013.01 - US); Y02B 30/54 (2013.01 - EP)

Citation (search report)

See references of WO 2017066636A1

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 2017066636 A1 20170420; **WO 2017066636 A4 20170928**; **WO 2017066636 A9 20170720**; AU 2016338682 A1 20180510; CN 108603725 A 20180928; EP 3362758 A1 20180822; JP 2018530733 A 20181018; US 2017108251 A1 20170420

DOCDB simple family (application)

US 2016057140 W 20161014; AU 2016338682 A 20161014; CN 201680067122 A 20161014; EP 16856314 A 20161014; JP 2018519413 A 20161014; US 201615294221 A 20161014