

Title (en)
WATER COOLED MICROCHANNEL CONDENSER

Title (de)
WASSERGEKÜHLTER MIKROKANALKONDENSATOR

Title (fr)
CONDENSEUR À MICROCANAUX REFROIDI PAR EAU

Publication
EP 3073218 A1 20160928 (EN)

Application
EP 16160017 A 20160311

Priority
US 201514644265 A 20150311

Abstract (en)
The present application provides a condenser (300; 400) for a cascade refrigeration system (100). The condenser may include an outer shell (310; 410), a microchannel coil (330), an ammonia refrigerant (170) flowing through the microchannel coil, and a water based coolant flowing through the outer shell for heat exchange with the ammonia refrigerant.

IPC 8 full level
F28D 7/08 (2006.01); **F25B 7/00** (2006.01); **F25B 39/04** (2006.01); **F28F 9/22** (2006.01)

CPC (source: CN EP US)
F25B 7/00 (2013.01 - CN); **F25B 9/002** (2013.01 - US); **F25B 39/04** (2013.01 - CN EP US); **F28D 7/08** (2013.01 - EP US); **F28D 21/0007** (2013.01 - EP US); **F25B 7/00** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25B 2309/06** (2013.01 - EP US); **F25B 2339/046** (2013.01 - EP US); **F25B 2339/047** (2013.01 - CN EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F28D 2021/007** (2013.01 - EP US); **F28F 9/22** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP US)

Citation (search report)

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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)
EP 3073218 A1 20160928; AU 2016200845 A1 20160929; BR 102016005257 A2 20160913; CN 105972848 A 20160928; US 2016265814 A1 20160915

DOCDB simple family (application)
EP 16160017 A 20160311; AU 2016200845 A 20160210; BR 102016005257 A 20160309; CN 201610136283 A 20160310; US 201514644265 A 20150311