

Title (en)

MEMBRANE CONCENTRATOR FOR ABSORPTION CHILLERS

Title (de)

MEMBRANKONZENTRATOR FÜR ABSORPTIONSKÜHLER

Title (fr)

CONCENTRATEUR DE MEMBRANE DESTINÉ À DES REFROIDISSEURS À ABSORPTION

Publication

**EP 2212628 A4 20110727 (EN)**

Application

**EP 07852807 A 20071016**

Priority

US 2007022120 W 20071016

Abstract (en)

[origin: WO2009051582A1] An absorption chiller is disclosed that uses membrane distillation to concentrate a weak absorbent solution. The membrane distillation process employs low temperature heat to vaporization water from a weak absorbent solution on one side of a membrane contactor and condenses the vapor on the other side of the membrane contactor where water refrigerant is circulated.

IPC 8 full level

**F25B 17/06** (2006.01); **F25B 15/00** (2006.01); **F25B 15/14** (2006.01); **F25B 23/00** (2006.01); **F25B 15/06** (2006.01)

CPC (source: EP)

**F25B 15/06** (2013.01); **F25B 15/14** (2013.01); **Y02A 30/27** (2017.12); **Y02B 30/62** (2013.01)

Citation (search report)

- [X] WO 2004104496 A2 20041202 - WEIMER THOMAS [DE], et al
- [X] WO 9964147 A2 19991216 - BATTELLE MEMORIAL INSTITUTE [US]
- [X] WO 9916542 A1 19990408 - BATTELLE MEMORIAL INSTITUTE [US]
- See references of WO 2009051582A1

Cited by

CN104792059A

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009051582 A1 20090423**; CN 101828083 A 20100908; EP 2212628 A1 20100804; EP 2212628 A4 20110727; KR 101168499 B1 20120727; KR 20100080553 A 20100708

DOCDB simple family (application)

**US 2007022120 W 20071016**; CN 200780101124 A 20071016; EP 07852807 A 20071016; KR 20107010055 A 20071016