

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

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CN104792059A

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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