

Title (en)

DEVICE FOR PRODUCING A PURIFIED LIQUID FROM AN UNCLEANNED LIQUID

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINER REINFLÜSSIGKEIT AUS EINER ROHLFLÜSSIGKEIT

Title (fr)

DISPOSITIF DE PRODUCTION D'UN LIQUIDE PUR A PARTIR D'UN LIQUIDE BRUT

Publication

**EP 1877151 A1 20080116 (DE)**

Application

**EP 06724304 A 20060413**

Priority

- EP 2006003406 W 20060413
- DE 202005007278 U 20050506

Abstract (en)

[origin: DE202005007278U1] A water desalination assembly produces sweet water and has an evaporator (10) with a vapour tube (47) to a low-pressure condenser (23). The vapour tube is coupled via a steam engine releasing vapour to the condenser via a membrane. The evaporator and condenser may be evacuated either separately or jointly. The pressure in the evaporator (10) is greater than that in the condenser (23). The evaporator is driven by a heater e.g. solar panel. The steam engine is linked to an electricity generator.

IPC 8 full level

**B01D 5/00** (2006.01); **C02F 1/04** (2006.01); **C02F 1/06** (2006.01); **C02F 1/14** (2006.01); **F01B 29/12** (2006.01)

CPC (source: EP US)

**B01D 5/0045** (2013.01 - EP US); **B01D 5/0081** (2013.01 - EP US); **C02F 1/046** (2013.01 - EP US); **C02F 1/06** (2013.01 - EP US); **C02F 1/14** (2013.01 - EP US); **Y02A 20/124** (2017.12 - EP US); **Y02A 20/142** (2017.12 - EP US); **Y02A 20/212** (2017.12 - EP US)

Citation (search report)

See references of WO 2006119836A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 202005007278 U1 20050804**; CN 101189051 A 20080528; EP 1877151 A1 20080116; JP 2008540073 A 20081120; US 2009090612 A1 20090409; WO 2006119836 A1 20061116

DOCDB simple family (application)

**DE 202005007278 U 20050506**; CN 200680015549 A 20060413; EP 06724304 A 20060413; EP 2006003406 W 20060413; JP 2008509320 A 20060413; US 91998706 A 20060413