Title (en)

THERMAL POWER UPGRADE FACILITY

Title (de)

EINRICHTUNG ZUR ERHÖHUNG DER WÄRMELEISTUNG

Title (fr)

INSTALLATION DE VALORISATION D'ÉNERGIE THERMIQUE

Publication

EP 2526352 A2 20121128 (FR)

Application

EP 11704647 A 20110119

Priority

- FR 1000194 A 20100119
- FR 2011000031 W 20110119

Abstract (en)

[origin: WO2011089338A2] The invention relates to a facility making it possible to maximize the overall power output, said facility including at least one absorption group (7), for producing ice water, and a heat pump (10). The particular feature of the facility is that the inlet of the heat pump power supply system is connected to the outlet of the exhaust system (9) of the absorption group (7) so as to transfer at least part of the low-temperature thermal power from the exhaust system (9) to the hot water production system (12). Such a facility also makes it possible to generate sanitary ice water and hot water and desalinate sea water.

IPC 8 full level

F25B 7/00 (2006.01); **F25B 15/00** (2006.01); **F25B 29/00** (2006.01); **F25B 30/00** (2006.01)

CPC (source: EP KR US)

F25B 7/00 (2013.01 - KR); **F25B 15/00** (2013.01 - EP KR US); **F25B 29/00** (2013.01 - KR); **F25B 30/00** (2013.01 - EP KR US); **F25B 30/06** (2013.01 - KR); F25B 7/00 (2013.01 - EP US); F25B 29/00 (2013.01 - EP US); F25B 2313/0315 (2013.01 - KR); Y02A 30/27 (2017.12 - EP US); Y02A 40/963 (2017.12 - EP US); Y02B 30/62 (2013.01 - EP KR US); Y02E 10/10 (2013.01 - KR)

Citation (search report)

See references of WO 2011089338A2

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

DOCDB simple family (publication)

FR 2955381 A1 20110722; EP 2526352 A2 20121128; KR 101736913 B1 20170517; KR 20120128632 A 20121127; US 2012324924 A1 20121227; US 8820099 B2 20140902; WO 2011089338 A2 20110728; WO 2011089338 A3 20111027

DOCDB simple family (application)

FR 1000194 A 20100119; EP 11704647 A 20110119; FR 2011000031 W 20110119; KR 20127021622 A 20110119; US 201113521385 A 20110119