

Title (en)

CASCADED CONDENSER FOR MULTI-UNIT GEOTHERMAL ORC

Title (de)

KASKADENKONDENSATOR FÜR EINEN AUS MEHREREN EINHEITEN BESTEHENDEN GEOTHERMEN ORC

Title (fr)

CONDENSEUR EN CASCADE POUR CYCLE DE RANKINE ORGANIQUE GÉOTHERMIQUE À UNITÉ MULTIPLE

Publication

EP 2307673 A2 20110413 (EN)

Application

EP 08876405 A 20080804

Priority

US 2008072053 W 20080804

Abstract (en)

[origin: WO2010016825A2] A pair of organic rankine cycle systems are connected in series with the geothermal fluid passing first through an evaporator of the first system and then through an evaporator of the second system before returning to a sink. Similarly, the cooling tower is arranged to provide cooling water to pass first through the condenser in one system and then through the condenser of the other system, to reduce the total flow required and the size of associated cooling hardware.

IPC 8 full level

F01K 25/08 (2006.01)

CPC (source: EP US)

F01K 9/003 (2013.01 - EP US); **F01K 25/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2010016825A2

Citation (examination)

- US 2007245729 A1 20071025 - MICKLESON D LYNN [US]
- US 3878273 A 19750415 - ANDERSON JAMES H
- BARBIER E: "GEOTHERMAL ENERGY TECHNOLOGY AND CURRENT STATUS: AN OVERVIEW", RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, ELSEVIERS SCIENCE, NEW YORK, NY, US, vol. 6, no. 1/02, 1 February 2002 (2002-02-01), pages 3 - 65, XP001130302, ISSN: 1364-0321, DOI: 10.1016/S1364-0321(02)00002-3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2010016825 A2 20100211; **WO 2010016825 A3 20130103**; **WO 2010016825 A9 20130510**; EP 2307673 A2 20110413; US 2011314818 A1 20111229

DOCDB simple family (application)

US 2008072053 W 20080804; EP 08876405 A 20080804; US 98970808 A 20080804