

Title (en)

HEAT EXCHANGER FOR DIRECT EVAPORATION IN ORGANIC RANKINE CYCLE SYSTEMS AND METHOD

Title (de)

WÄRMETAUSCHER ZUR DIREKTEN VERDAMPFUNG IN ORGANISCHEN RANKINE-PROZESSSYSTEMEN UND VERFAHREN

Title (fr)

ÉCHANGEUR THERMIQUE POUR ÉVAPORATION DIRECTE DANS DES SYSTÈMES À CYCLE DE RANKINE À FLUIDE ORGANIQUE, ET PROCÉDÉ CORRESPONDANT

Publication

**EP 2780558 A2 20140924 (EN)**

Application

**EP 10770842 A 20101027**

Priority

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- EP 2010066282 W 20101027

Abstract (en)

[origin: WO2011051353A2] Systems and methods include heat exchangers using Organic Rankine Cycle (ORC) fluids in power generation systems. The system includes a heat exchanger configured to be mounted inside an exhaust stack that guides hot flue gases and having an inlet and an outlet, the heat exchanger being configured to receive a liquid stream of a first fluid through the inlet and to generate a vapor stream of the first fluid and the heat exchanger is configured to include a double walled pipe, where the first fluid is disposed within an inner wall of the double walled pipe and a second fluid is disposed between the inner wall and an outer wall of the double walled pipe.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2011051353A2

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