

Title (en)

Device and method for condensation of steam from ORC systems

Title (de)

Vorrichtung und Verfahren zur Kondensation von Dampf aus ORC-Systemen

Title (fr)

Dispositif et procédé de condensation de vapeur à partir de systèmes ORC

Publication

**EP 2574742 B1 20140917 (DE)**

Application

**EP 11007883 A 20110928**

Priority

EP 11007883 A 20110928

Abstract (en)

[origin: EP2574742A1] The device has a module for condensation, where the module has an inlet and one or multiple pipelines (12), such as horizontally disposed pipes. A liquid separator is provided for separating the condensed liquid. A liquid collector is provided for collecting the separated condensed liquid. The liquid separator is provided before or at the inlet or after the pipeline. The liquid collector has a branch pipe, which is formed to divert a part of the separated condensed liquid from the condensation device. An independent claim is included for a method for condensation of vapor expanded in an expansion machine of a thermal power plant to a condensed liquid, particularly oily liquid.

IPC 8 full level

**F01K 9/00** (2006.01); **F01K 25/10** (2006.01); **F28B 1/02** (2006.01); **F28B 1/06** (2006.01); **F28B 9/08** (2006.01); **F28D 1/04** (2006.01)

CPC (source: EP US)

**F01K 9/00** (2013.01 - EP US); **F01K 25/10** (2013.01 - EP US); **F28B 1/02** (2013.01 - EP US); **F28B 1/06** (2013.01 - US); **F28B 9/08** (2013.01 - EP US)

Citation (examination)

- EP 2476869 A1 20120718 - UNIV MUENCHEN TECH [DE], et al
- DE 3600723 A1 19870716 - KRAFTWERK UNION AG [DE]
- EP 2363578 A2 20110907 - VOITH PATENT GMBH [DE]

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)

**EP 2574742 A1 20130403**; **EP 2574742 B1 20140917**; CN 103827449 A 20140528; CN 103827449 B 20160302; ES 2525039 T3 20141216; US 10605532 B2 20200331; US 2017307297 A1 20171026; WO 2013045021 A2 20130404; WO 2013045021 A3 20140206

DOCDB simple family (application)

**EP 11007883 A 20110928**; CN 201280047040 A 20120905; EP 2012003730 W 20120905; ES 11007883 T 20110928; US 201214241676 A 20120905