

Title (en)

A method for direct conversion of steam energy to mechanical energy and thermal-hydraulic arrangement for carrying out the method

Title (de)

Verfahren zur direkten Umwandlung von Dampfenenergie in mechanische Energie und thermohydraulische Anordnung zur Durchführung des Verfahrens

Title (fr)

Procédé de transformation directe d'énergie de vapeur en énergie mécanique et installation thermohydraulique permettant de mettre en oeuvre le procédé

Publication

EP 2765279 A3 20150805 (DE)

Application

EP 14154153 A 20140206

Priority

DE 102013101214 A 20130207

Abstract (en)

[origin: EP2765279A2] The method involves using an array of pressure vessels for working fluids, and are alternately filled and emptied through steam pressure. A steam (191) is generated in a closed circuit of a working fluid (19) and is entered alternately in the pressure vessel (601,602), such that the working fluid is acted in the respective pressure vessels. A liquid in the hydraulic unit (5) is pressed so as to be converted into mechanical energy. The expanded working fluid is fed back into the circulation. An independent claim is included for a thermal-hydraulic assembly for direct conversion of steam energy into mechanical energy.

IPC 8 full level

F01K 15/00 (2006.01); **F01K 27/00** (2006.01)

CPC (source: EP)

F01K 15/00 (2013.01); **F01K 27/005** (2013.01)

Citation (search report)

- [XI] US 2011167825 A1 20110714 - MAURAN SYLVAIN [FR], et al
- [XD] US 2006059912 A1 20060323 - ROMANELLI PAT [US], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2765279 A2 20140813; EP 2765279 A3 20150805; DE 102013101214 A1 20140807; DE 102013101214 B4 20150513

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