

Title (en)

DEVICE AND METHOD FOR AN ORC PROCESS WITH MULTI-STAGE EXPANSION

Title (de)

VORRICHTUNG UND VERFAHREN FÜR EINEN ORC-KREISPROZESS MIT MEHRSTUFIGER EXPANSION

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR UN CYCLE DE RANKINE À FLUIDE ORGANIQUE À EXPANSION À PLUSIEURS NIVEAUX

Publication

**EP 3060767 B1 20220629 (DE)**

Application

**EP 15700344 A 20150108**

Priority

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- EP 2015050196 W 20150108

Abstract (en)

[origin: WO2015124325A1] A device (1) for implementing an Organic Rankine Cycle process is specified, in which an organic working medium circulates in a circuit and which has an evaporator (2), a turbine (3), a condenser (8), a feed pump (9) and a return line to the evaporator (2). The first turbine (3) is of multi-stage design, and at least two stages are followed respectively by a first and a second recuperator (4, 6). Alternatively, the first turbine (3) is followed by a first recuperator (4), and at least one second turbine (5) which is situated further downstream is followed by a second recuperator (6). A method for operating the stated device (1) is also specified.

IPC 8 full level

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CPC (source: EP)

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