

Title (en)
ENERGY CONVERSION METHOD AND SYSTEM

Title (de)
ENERGIEUMWANDLUNGSVERFAHREN UND -SYSTEM

Title (fr)
PROCÉDÉ ET SYSTÈME DE CONVERSION D'ÉNERGIE

Publication
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Application
EP 16191160 A 20160928

Priority
EP 16191160 A 20160928

Abstract (en)
The present invention concerns an energy conversion method and system based on a Clausius-Rankine cycle and in particular on an organic Rankine cycle. The method comprises steps of providing a processing medium (2) carrying heat and/or under high pressure and temperature with increased energy content, expanding the processing medium (2) in order to generate and extract work, thereby transferring - at least in part - the processing medium (2) into a vapor state and in particular into a superheated vapor state, condensing - at least in part - the expanded processing medium (2) in said vapor state, thereby cooling and transferring the processing medium (2) into a fluid state, wherein after expanding and before and/or during condensing processing medium (2) in a non-vapor state and/or in a cooled state is continuously introduced into the expanded processing medium (2) in said vapor state to be condensed, thereby desuperheating the expanded processing medium (2) in said vapor state.

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Citation (search report)
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