

Title (en)
METHOD FOR OPERATING A SMALL GAS TURBINE ASSEMBLY AND SMALL GAS TURBINE ASSEMBLY

Title (de)
VERFAHREN ZUM BETRIEB EINER KLEINGASTURBINENANORDNUNG, SOWIE KLEINGASTURBINENANORDNUNG

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN SYSTÈME DE PETITE TURBINE À GAZ AINSI QUE SYSTÈME DE PETITE TURBINE À GAZ

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Application
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Priority

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Abstract (en)
[origin: WO2012079694A2] Invention relates to methods for operating a small gas turbine assembly and a small gas turbine assembly itself, comprising at least one compressor/compressor stage and at least one turbine or turbine stage, in which compressor and turbine/turbine stages act on a generator shaft to generate power. In this connection, in order to achieve a considerable increase in efficiency, according to the invention at a number N of turbines or turbine stages, a combustion chamber is arranged before each turbine or turbine stage, and the gas output from each turbine or turbine stage is introduced first into the combustion chamber of the next following turbine or turbine stage, and the gas outlet from the last turbine or turbine stage again leads back into the gas stream via a recuperation of thermal energy before entry into the first combustion chamber of the first turbine stage.

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Citation (search report)
See references of WO 2012079694A2

Citation (examination)

- EP 0924406 A1 19990623 - ASEA BROWN BOVERI [CH]
- GB 2398606 A 20040825 - ALSTOM TECHNOLOGY LTD [CH]

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