

Title (en)
A HEAT ENGINE SYSTEM

Title (de)
VERBRENNUNGSMOTORSYSTEM

Title (fr)
SYSTÈME DE MOTEUR THERMIQUE

Publication
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Application
EP 07800206 A 20070824

Priority

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Abstract (en)
[origin: WO2008022406A1] A heat engine system for producing work by expanding a working fluid comprising first and second components, the system comprising, an apparatus for combining the second component of the working fluid as a liquid with the first component, the first component being a gas throughout the system, a compressor for compressing the first component, a pump for compressing at least most of the second component, a heater for heating the first and second components, an expander for expanding the first and second components to produce the work, and a recuperator for transferring at least some of the energy of the working fluid from the outlet of the expander, to the working fluid from the outlet of the apparatus, wherein a substantial portion of the energy transferred in the recuperator is at least a portion of the latent heat of the second component from the outlet of the expander.

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Citation (search report)
See references of WO 2008022406A1

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