

Title (en)  
CLAUSIUS-RANKINE CYCLE

Title (de)  
CLAUSIUS-RANKINE-KREIS

Title (fr)  
CIRCUIT FONCTIONNANT SELON LE CYCLE DE CLAUSIUS RANKINE

Publication  
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Application  
**EP 09778849 A 20091006**

Priority  
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Abstract (en)  
[origin: WO2010054724A2] The invention relates to a Clausius-Rankine cycle, in particular for mobile applications, preferably in motor vehicles, comprising a pump (2) for driving a liquid working fluid in the Clausius-Rankine cycle (1) and applying pressure to the working fluid, a heating device (3) for evaporating the pressurized liquid working medium, an expansion device (4) for generating mechanical driving power by expanding the hot, compressed vapor, a condenser device (5) for condensing the hot, expanded vapor that can be fed to the pump (2) as liquid working fluid, and a collection volume (13) for collecting and storing liquid working fluid. In order to obtain a compact arrangement of the Clausius-Rankine cycle (1), the collection volume (13) is integrated into a housing (12) of the condenser device (5).

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