

Title (en)  
INTERNAL COMBUSTION ENGINE AND VEHICLE EQUIPPED WITH SUCH ENGINE

Title (de)  
VERBRENNUNGSMOTOR UND MIT EINEM SOLCHEN MOTOR AUSGESTATTETES FAHRZEUG

Title (fr)  
MOTEUR A COMBUSTION INTERNE ET VEHICULE EQUIPE D'UN TEL MOTEUR

Publication  
**EP 2229513 A2 20100922 (FR)**

Application  
**EP 09704671 A 20090115**

Priority  
• FR 2009050058 W 20090115  
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Abstract (en)  
[origin: WO2009092969A2] The invention relates to an internal combustion engine (1) that includes an inlet circuit (3) for oxidant air, an exhaust circuit (6), a compressor (4) having an input shaft (41), capable of increasing the air pressure in the inlet circuit when the input shaft thereof is rotated, an engine output shaft (21), a means for selective coupling (42) between the engine output shaft and the compressor input shaft, a Rankine cycle circuit (7) with an evaporator (71) in thermal contact with the exhaust circuit and provided with an expansion member (72) driven by the gas from the evaporator, characterised in that it further comprises a means for selective coupling (44) between the expansion member (72) and the input shaft (41) of the compressor.

IPC 8 full level  
**B60H 1/20** (2006.01); **F01N 5/02** (2006.01); **F02B 33/34** (2006.01); **F02B 39/06** (2006.01); **F02B 39/08** (2006.01); **F02B 39/12** (2006.01); **F02G 5/02** (2006.01); **F02M 25/07** (2006.01)

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Citation (search report)  
See references of WO 2009092969A2

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