

Title (en)
CLOSED CYCLE ENGINE

Title (de)
MOTOR MIT GESCHLOSSENEM KREISLAUF

Title (fr)
AMÉLIORATIONS ASSOCIÉES A DES MOTEURS À CYCLE FERMÉ

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Abstract (en)
[origin: WO2008001050A1] A closed cycle engine system comprises an engine unit operable to combust fuel with combustion supporting gas, and a gas circuit providing fluid communication between the intake and the exhaust of the engine unit. In operation, the engine unit produces exhaust gases. The gas circuit is provided with an absorber to at least partially absorb the exhaust gases and a flow resistance. The flow resistance is located between the absorber and the intake, and is arranged such that the pressure at the intake is less than the pressure at the exhaust. Such an arrangement improves the efficiency of the absorber, and thus the overall efficiency of the engine. A method of operating such an engine system, and vehicles comprising such an engine system, are also disclosed.

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