

Title (en)  
HEAT ENGINE WITH STEAM SUPPLY DEVICE

Title (de)  
WÄRMEKRAFTMASCHINE MIT DAMPFZUFUHRVORRICHTUNG

Title (fr)  
MOTEUR THERMIQUE AVEC DISPOSITIF D'ALIMENTATION EN VAPEUR

Publication  
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Application  
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Abstract (en)  
[origin: WO2022028651A1] The present invention relates to a heat engine (1), in particular an aircraft engine (3), having a first compressor (10) for supplying a combustion chamber (11) of the heat engine (1) with air and a first turbine (12) arranged downstream of the combustion chamber (11) for driving the first compressor (10), wherein the heat engine also has at least one steam supply line (24) for supplying steam from a steam source (25) into the combustion chamber (11). The heat engine (1) also has a steam supply device (2), which has a second compressor (20) and is designed to compress the working gas further by means of the second compressor (20) as a function of a mass flow conducted through the steam supply line (24), before said working gas flows into the combustion chamber (11).

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