

Title (en)
EXTERNAL HEAT SOURCE ENGINE WITH SLIDE VALVES

Title (de)
MOTOR MIT EXTERNER WÄRMEQUELLE MIT SCHIEBERVENTILEN

Title (fr)
MOTEUR A SOURCE CHAUDE EXTERNE A BOISSEAUX

Publication
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Application
EP 18758546 A 20180802

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Abstract (en)
[origin: WO2019025555A1] The present invention concerns an external heat source engine comprising: - at least one cylinder (2), - a piston (3) that is movable back and forth in the cylinder, - a cylinder head (4) defining a working chamber (5) with the piston and the cylinder, - a heat exchanger (6) for exchanging heat between a working gas and a heat-transfer fluid, - a distribution comprising two rotary slide valves (20, 30) mounted so as to be able to rotate in the cylinder head and bringing the working chamber selectively into communication with the following resources: o a working gas inlet (A), o a cold end (B) of the exchanger, o a hot end (C) of the exchanger, o an exhaust (D). The slide valves (20, 30) comprise internal passages that open through the side wall of same through at least one opening that communicates selectively with the working chamber (5) via at least one opening formed in the cylinder head (4).

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