

Title (en)
STEAM MOTOR

Title (de)
DAMPFMOTOR

Title (fr)
MOTEUR À VAPEUR

Publication
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Application
EP 22162444 A 20220316

Priority
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Abstract (en)
[origin: WO2023174816A1] The invention relates to a steam engine comprising a cylinder (10), a stroke piston (12) which is movably guided in the cylinder (10) between an upper dead center and a lower dead center, a working chamber (18) in the cylinder (10), said working chamber being delimited by the stroke piston (12), a steam chamber (76) for providing fresh steam, an inlet valve (26) with a valve opening (28) which connects the steam chamber (76) and the working chamber (18), a valve seat (30) which surrounds the valve opening (28), a movable valve element (32) which interacts with the valve seat (30) in order to close and release the valve opening, and a valve controller (42) for moving the valve element (32), wherein the valve controller (42) has a control cylinder (44) and a control piston (46) which interacts with the valve element (32) and separates the control cylinder (44) into a pneumatic chamber (48) and a hydraulic chamber (50), and the hydraulic chamber (50) can be supplied with hydraulic fluid in order to lift the valve element (32) from the valve seat (30) and release the valve opening (28).

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