

Title (en)
TWO-STROKE ENGINE WITH SPARK IGNITION

Title (de)
FREMDGEZÜNDETE ZWEITAKTBRENNKRAFTMASCHINE

Title (fr)
MOTEUR DEUX TEMPS A ALLUMAGE PAR ETINCELLE

Publication
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Application
EP 95928040 A 19950816

Priority
• PL 9500015 W 19950816
• PL 30473194 A 19940816

Abstract (en)
[origin: WO9605426A1] In a two-stroke engine with ports controlled by the piston and with the air charge or a lean fuel-air mixture precompressed in the crankcase (11), the cylinder space is fed with a jet of rich fuel-exhaust gas mixture from the feed chamber (13) by means of a feed canal (14). The feed chamber (13) is formed by the inner space of the rotary distributor (A) closed by a rotary control element (16) driven by a non-slip transmission (17) from the engine crankshaft (10). The feed canal (14) ends at the cylinder wall with an opening situated between the upper edge of the exhaust port (4) and the position of the edge of the head of the piston (5) at the moment of ignition. The control element (16) has two openings, an inlet one (18) and an outlet one (19), spaced at the angle (α) and coupled in such a position that, while rotating, the inlet opening (18) meets the opening of the feed canal (14) during the engine power stroke, and the outlet opening (19) - during the compression stroke.

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