

Title (en)

TWO-STROKE COMBUSTION ENGINE OF AN AUTOMOTIVE VEHICLE WITH TWISTED INTAKE PORTS

Title (de)

ZWEITAKTVERBRENNUNGSMOTOR EINES KRAFTFAHRZEUGES MIT GEWUNDENEN ANSAUGSTUTZEN

Title (fr)

MOTEUR THERMIQUE DEUX TEMPS DE VÉHICULE AUTOMOBILE A LUMIÈRES D'ADMISSION VRILLÉES

Publication

EP 3140528 A2 20170315 (FR)

Application

EP 15788646 A 20150326

Priority

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Abstract (en)

[origin: WO2015170020A2] The invention relates to a two-stroke thermal engine comprising at least one axial cylinder (12) having a bore (14) which slidably receives at least one piston (16) and has a plurality of lower peripheral ports (34) capable of being opened or closed by the moving piston (16), which ports are substantially hexahedral in shape, are each defined in the peripheral wall (30) by quadrilateral surfaces (36, 38, 58, 60), comprising upper surfaces (36, 38) which are defined by edges (40, 42, 46, 48), referred to as gas directing edges, characterised in that the gas directing edges (40, 42) of the upper surface (36) form angles (α_{40} , α_{42}) with a radial direction (R), which angles are oriented in a first direction and are within a first angular range, and in that the gas directing edges (46, 48) of the lower surface form angles (α_{46} , α_{48}) with the radial direction (R), which angles are oriented in a second direction, which is opposite the first, and are within a second angular range.

IPC 8 full level

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CPC (source: EP)

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