

Title (en)

INTERNAL COMBUSTION ENGINE WITH ECCENTRIC ROTATING CYLINDER AND PISTONS.

Title (de)

VERBRENNUNGSMOTOR MIT EXZENTRISCHEM ROTIERENDEM ZYLINDER UND KOLBEN

Title (fr)

MOTEUR À COMBUSTION INTERNE AVEC CYLINDRE ET PISTONS EN TOURNANT EXCENTRIQUEMENT.

Publication

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Application

**EP 10762759 A 20100730**

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Abstract (en)

[origin: WO2011016072A2] The invention, relates to an internal combustion engine, comprising at least one cylinders/head group (1) and at least one pistons group (2), said groups rotating relatively to each other about a first rotation pin (A; B); said at least one cylinders/head group (1) has a first central hole (6), through which said first rotation pin (A; B) passes, and a first axis (9), offset with respect to said first central hole (6); said at least one pistons group (2) has a second central hole (7), through which said first rotation pin (A; B) passes, a second axis (12), offset with respect to said second central hole (7), and a first slot (10), through which said first axis (9) passes, set in a diametrically opposed position to said second axis (12) with respect to said second central hole (7); the offset distance of said first and second axis (9, 12) from a central axis passing through said first (6) and second (7) central hole is the same; said internal combustion engine being characterized in that it comprises a central nucleus (3; 30), having a third central hole (8), with a diameter smaller than said central hole (6, 7) diameters, and through which a second rotation pin (15, 15') passes, a second slot (11), through which said first axis (9) passes, and a third slot (13), through which said second axis (12) passes; in that said second pin (15; 15') has a section smaller than said first pin (A; B) section, integral with it and offset from its central axis; in that the rotation of said at least one cylinders/head group (1), said at least one pistons group (2) and said central nucleus (3; 30) around said first and second rotation pin (A; B, 15; 15') in said first, second and third holes (6, 7, 8) is eccentric and brought by the movement of said first and second axis (9, 12) within said slots (11,13).

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