

Title (en)
INTERNAL COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE

Title (fr)
MOTEUR A COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO0008324A1] Known internal combustion engines only comprise, for example, three rows of cylinders for housing pistons, whereby a row of cylinders must house a relatively high number of pistons. Consequently, these engines exhibit relatively large dimensions in the longitudinal direction, which on one hand imparts a relatively high weight to the engine and on the other hand entails an adverse behaviour in case of collision due to the important length of the front part of the car body. The invention relates to an internal combustion engine comprising four individual rows (1, 2, 3, 4) of cylinders, two of these rows (1, 2 or 3, 4) being mutually arranged in a V shape in such a way that the cylinder rows (1, 2 or 3, 4) are situated on each side of an engine plane (E) defined by a vertical axis (H) dividing the engine in a symmetric manner and a longitudinal axis (L) of said engine. One of the cylinder rows (2 or 3) among the rows arranged in a V (1, 2 or 3, 4) is closer to the engine plane (E) or the vertical axis (H) than the row (1 or 4) which is opposite the engine plane (E) or the vertical axis (H). The invention is designed for internal combustion, mixture compression, applied ignition engines as well as for air compression Diesel engines.

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