

Title (en)
INTERNAL COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE

Title (fr)
MOTEUR À COMBUSTION INTERNE

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Application
EP 16809371 A 20161208

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Abstract (en)
[origin: WO2017097934A1] The invention relates to an internal combustion engine comprising a cylinder (12), a piston (18) that is movably located within the cylinder (12), a crankshaft (14) and a connecting rod (22) that connects the piston (18) to a crank pin (30) of the crankshaft (14). Rotatably mounted within the connecting rod top end (26) of the connecting rod (22) is an eccentric sleeve (40), which rotatably holds the crank pin (30) and which can be locked in relation to the connecting rod (22) in at least two rotational orientations by means of a locking device (52). The internal combustion engine is provided with at least one coupling device (100), by means of which the eccentric sleeve (40) can be temporarily coupled to the crankshaft (14), in order to rotate the eccentric sleeve (40) in relation to the connecting rod (22). This allows a rotation of the crankshaft (14) and the crank pin (30) relative to the connecting rod (22) to be utilized during operation of the internal combustion engine, in order to temporarily entrain the eccentric sleeve (40), thereby rotating said sleeve rapidly and securely from one rotational direction into the other.

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