

Title (en)
INTERNAL COMBUSTION ENGINE

Title (de)
BRENNKRAFTMASCHINE

Title (fr)
MOTEUR À COMBUSTION INTERNE

Publication
EP 3631168 B1 20210707 (FR)

Application
EP 17732494 A 20170523

Priority
FR 2017051267 W 20170523

Abstract (en)
[origin: WO2018215698A1] The internal combustion engine (10) comprises at least two cylinders (11, 1') with parallel longitudinal axes, each cylinder comprising an opening and a piston (12, 12') capable of moving in translation inside said cylinder, the respective openings of the cylinders facing each other, the pistons being in kinematic relation with a connecting rod-crank mechanism comprising: - a spacer (13) connecting said pistons, suitable for maintaining a fixed spacing between the pistons, the pistons being respectively attached to the arms (131, 131') of the spacer, - a crankshaft (20) rotating about an axis, arranged between the openings of the cylinders and between the longitudinal axes of said cylinders, the crankshaft comprising a crank pin (21), - a rocker (40) rotating about the crank pin, - at least one connecting rod (30) comprising a first so-called "bottom" end (31), rigidly attached to the spacer, and a second so-called "head" end (32), rigidly attached to one of the ends of the rocker.

IPC 8 full level
F01B 7/16 (2006.01); **F01B 1/08** (2006.01); **F01B 9/02** (2006.01)

CPC (source: EP RU US)
F01B 1/08 (2013.01 - EP RU US); **F01B 7/16** (2013.01 - EP RU US); **F01B 9/02** (2013.01 - EP RU US); **F01B 9/023** (2013.01 - EP); **F01B 9/026** (2013.01 - EP); **F02B 75/18** (2013.01 - RU US); **F02B 75/32** (2013.01 - EP RU US); **F02B 2075/1816** (2013.01 - US)

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