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The invention relates to the mechanical engineering, in particular to the external combustion engines.

The external combustion engine includes a body, wherein there are placed cylinders with pistons kinematically joined with the device for conversion of their reciprocating motion into rotary motion of the driven shaft. The device for conversion of reciprocating motion of the pistons into rotary motion of the driven shaft contains a double-ring satellite gear unit which is mounted onto the driven shaft by means of a spherical bearing and joined by means of rollers with the pistons, the trajectory of displacement of which is determined by the amplitude of precession motion of the satellite gear unit. One ring of the satellite gear unit is in engagement with the gear-wheel fixed into the body and the other ring-with the gear-wheel joined with the driven shaft. The teeth of the ring of the satellite gear unit from the end of the driven shaft may be made in the form of conic rolls, which are in engagement with two gear-wheels joined correspondingly with two driven shafts.

Claims: 3

Fig.: 2