

The invention relates to mechanical engineering, in particular to heat engines.

The external combustion engine includes a housing (1), wherein are placed cylinders with pistons (2), which interact via rolling bodies (3) with a block-satellite (4) equipped with two rings with tapered rollers (5) and (6), which is mounted on a driven shaft (14). One of the rings with tapered rollers (5) of the block-satellite (4) meshes with a gearwheel (7), fixed in the housing (1), and the other ring with tapered rollers (6) meshes with the gear ring (8) of a hollow driven shaft (10). The external combustion engine further includes a hollow driven shaft (11), equipped with a gear ring (9), which meshes with the ring of the block-satellite (4), and the driven shaft (14) is made with an inclined portion (13), on which is installed through tapered bearings the block-satellite (4). The driven shafts (10, 11, 14) are placed one inside the other coaxially, with the possibility of independent mutual rotation.

The technical result of the invention is to improve the functionality and kinematic possibility of the external combustion engine.

Claims: 1

Fig.: 1

