

The invention relates to the mechanical engineering, in particular to the planetary precession gearings.

The planetary precession gearing, according to the first variant, includes a body 7, two gear-wheels 6 and 8, one of which is rigidly fixed into the body 7, the other is rigidly joined with the driven shaft 9, and between them there is placed a double block-satellite gear 3, freely installed onto a crank 1, wherein there is made an inclined axial canal 2. Novelty consists in that into the block-satellite gear hub there is made a twin number of uniformly placed axial canals 10, each canal being filled with liquid to cca $\frac{3}{4}$ of the volume and hermetically sealed. The canal of the crank 2, the axis of which is inclined in opposite direction about the crank slope at an angle equal to the precession angle, is filled with liquid to cca $\frac{3}{4}$ of the volume and hermetically sealed.

The planetary precession gearing, according to the second variant, includes the block-satellite gear 3, into the hut of which there is made a twin number of uniformly placed radial canals, each being filled with liquid to cca $\frac{3}{4}$ of the volume and hermetically sealed.

The result consists in reducing the dynamic and inertia moments.

Claims: 2

Fig.: 3

