

The invention relates to the field of mechanical engineering, in particular to planetary precessional gears.

The gear, according to the invention, comprises a body (1), in which are placed a satellite block (2) with two gear rings with taper rollers (3 and 4), a crank shaft (11) and two central gear wheels, fixed (5) and movable (7). The center of precession O of the satellite block (2) is aligned with the point of intersection (10) of the axes of the generators of the taper rollers (3 and 4), the axis of the crank shaft (11) and the axis of the inclined sector (12) of the crank shaft (11). At the ends of the inclined sector (12) are fixed corrective masses (16 and 18), the dynamic moments of imbalance of which are equal in magnitude and directed opposite to the dynamic moments of imbalance of the segments (15 and 17) of the inclined sector (12), and on the part (13) of the gear ring of the satellite block (2), with the least number of rollers, is fixed an additional mass (14).

Claims: 1

Fig.: 2

