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The invention relates to mechanical engineering, namely to planetary precessional transmissions.
The transmission, according to the invention, comprises a body (1), wherein are placed two satellite wheels (3 and 4) with conical gear rings (18, 19 and 20, 21), connected by an intermediate crankshaft (9). The transmission also comprises a crankshaft (1), central bevel wheals, fixed (5 and 6), mounted in the body (7), and mobile (8 and 10), one of the mobile wheels (8) being mounted on the intermediate crankshaft (9), and the other (10) is mounted on a driven shaft (2). The transmission comprises at least two satellite wheels (3 and 4), connected in series to each other by at least one intermediate crankshaft (9). The conical rings (18, 19 and 20, 21) of the satellite wheels (3 and 4) and the teeth of the fixed (5 and 6) and mobile (8 and 10) wheels are multipair mated together in the convex-concave tooth contacts with the minimum difference in the curvature of the side profiles in the points of their contact. The satellite wheels (3 and 4) are interconnected by the intermediate crankshaft (9), cantilevered on bearings (11 and 12) in the body (7). The intermediate crankshaft (9) is equipped with a seat (13) on the side, offset at a nutation angle Θ to the common axle of the fixed wheels (5 and 6). The satellite wheel (3) is kinematically connected to the crankshaft (1) by means of a bearing (14), mounted on the end of a semiaxle (15), and the satellite wheel (4) by means of a bearing (16), mounted on the end of a semiaxle (17) kinematically connected to the seat (13).

Claims: 1
Fig.: 1