

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

Claims: 1  
 Fig.: 1

