

The invention relates to the mechanical engineering, in particular to the mechanical variable-speed drives.

The precession variable-speed drive contains a body 4, wherein there is placed a central wheel 2 with internal spherical surface, rigidly coupled with the driven shaft 3, a satellite-gear 1, coming in contact with the spherical surface of the central wheel 2 and a drive shaft 11. Novelty consists in that the satellite-gear 1 is installed onto a spherical support 7, rigidly joined with the drive shaft 11. Onto the spherical support 7 there is installed a disk 20 with solids of revolution 21, fixed into forks 24, coupled by two screws 25 and 26, one of which is made with right thread, and the other – with left thread, at the same time both are in engagement with a nut 27.

Claims: 3

Fig.: 4

