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The invention relates to the mechanical engineering, in particular to the mechanical variable-speed drives.
The precession variable-speed drive contains a satellite gear 1, coming in contact with the spherical surface of the central wheel 2, joined with the driven shaft 3. The satellite gear 1 is mounted into the body 4 by means of curvilinear pins 5, and the spherical surface 6 is placed onto a spherical support 7, rigidly joined with the drive shaft 8. The disk 9 with rollers 10 is placed onto the spherical support 7 with the possibility of changing the slope angle. The outer zone of the disk 9 is placed onto solids of revolution 11 into the forks 12, rigidly joined with the screws 13 and 14, having the same step, but different direction of the helical line (one screw - with right thread, and the other - with left thread). The screws 13 and 14 are joined by a nut 15.

Claims: 3
Fig.: 4