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The invention relates to the machinery engineering and may be used in the mechanisms with speed stepwiseless control. The aim of the invention: increasing of the control accuracy.

The friction variable - speed drive includes body 1, the satellitegear 4 placed therein, making contact to the rigid 3 and driven 7 central wheels. Into the hole satellite 4 hub is located the eccentric 8, turning the eccentric roller 9 and eccentric sleeve 10 on the position of which in the circle direction is controled with the device 14. By that, one of satellite 4 gear is spring - loaded by the elastic member 19 in the axial direction. The rotation movement of the driving shaft is converted into the satellit 4 precession movement which contacting to the sphere wheels 3 and 7 surfaces make to rotate the wheel 7 with reduction.

The sleeve 10 rotation in relation to the roller 9 by assittance of the device 14 variates the inclination angle of the satellit axe. That leads to the variation of contact dianuters of the satellit with the wheels 3 and 7 and subsequently to the variation of the driven wheel rotation reduction.