

Rotor volumetric machine can be used as hydro-pump or hydro-motor, compressor of pneumomachine, or as a combustion engine; it has fixed housing 1 with spherical inner surface, this includes the rotors 2 and 3 as spherical segments with shafts, those are fixed in the housing at angle to each other and disc 4 is installed between the rotors, that divides the inner volume of the machine into four changeable volumes. Inlet windows 5 and outlet windows 6 are made in the housing. A cylindrical boss 7 connected to the top of the rotor 3 is arranged at one side of the disc. To eliminate excess kinematical links, at the other side of the disc, in normal position with respect to the boss, a cylindrical slot is provided; to this one with one side pin 8 goes, its other side is in the cylindrical slot at the top of the rotor 2.