

The invention relates to the mechanical engineering, in particular to the volumetric rotary machines and may be used in the pneumohydraulic drive system.

The process for obtaining spaces of variable volume between a pair of coaxially placed and rigidly joined with a radial partition cylinders and a rotary separating cup mounted between them with eccentricity consists in that the cylinders rotate about their axes, and driving in rotation of the freely mounted separating cup is carried out by means of the radial partition, which is placed into a longitudinal slot, made into its wall.

The device for obtaining spaces of variable volume includes a body, wherein it is installed the drive shaft with the coaxially placed cylinders, rigidly joined between them by a radial partition, placed into the longitudinal slot in the wall of the separating cup, mounted between the cylinders with eccentricity. The cylinders are rigidly fixed onto the drive shaft, their number is  $n \geq 2$ , and the number of separating cups -  $(n-1)$ , at the same time the separating cups are mounted into the body coaxially, freely and independently on each other, and each of the repartitions, joining the adjacent cylinders, is made flat, with the length equal to the length of the separating cup, and the width equal to the double eccentricity. The partitions, joining the adjacent cylinders, the number of which is  $n > 2$ , may be placed diametrically opposite.

Claims: 3

Fig.: 2