

2365794

(54) RADIAL DISTRIBUTOR OF MULTISTAGE SUBMERSIBLE PUMP

(57) Abstract:

FIELD: motors and pumps.

SUBSTANCE: **radial** distributor is provided for pumps, producing oil from wells and feeding water into producing oil-bearing strata for keeping and increasing in it of strata pressure. Distributor consists of cylindrical body 4, of top and bottom disk, bush 7, guiding vertical insertion 8 and cover. Transitional channels connect reverse channels on bottom surface of top disk with outlets on bottom surface of bottom disk. Reverse channels are formed between webbing on bottom surface of top disk, and transitional channels - on internal **radial** surface of bush 7 by means of profiled inclined hollows, implemented in bush's body 7. Bushes 7 are installed on the opposite side of helical outlets and contact to inner surface of body 4. For fixation of bush 7 on bottom disk there are peripheral hollows. By means of hollows in disks it is created extended transition transition chamber. Insertions 8, installed on periphery of inferior surface of bottom disk, additionally fix position of bush 7 and serve as **radial** surface of helical outlets.

EFFECT: invention reduces hydraulic losses and provides effective transfer of liquid with high content of gas.

7 cl, 10 dwg

