

## OFFICIAL TESTOMONIAL

AzSRIE and ED upon the suggested invention of Mammadov S.A. "Equipment of Sayad for using energy of static's medium" ICI-P 03B 17/04

1. Presented for consideration "Hydrostatic Mover" and its's principle of operation display an undoubted scientific and practical interest. There are elements of poverty are in the equipment and first of all in those that there is firstly suggesting the real principle of using hydrostatic pressure on a fluid (potential energy) for bringing into motion dynamic system (kinetic energy) inside of the fluid volume while not resorting to transporting it's part as it is in hydro mechanical systems.
2. In a result of analyze of the presented work it's shown up that upon the theme of researches it's necessary to held an additional scientific researches upon the evaluation of technique-economy values of the mover operating according to the suggested principle and discovering of positive and of negative reasons influencing on the effectiveness of it's operation. In the account of the most important presenting theoretical and practical interest is helping of the following works:
  - a) The working out of the general theoretical basis of the principles of operation of the suggested class of movers with physics-mathematic basing of their realizing;
  - b) The working out, designing, manufacturing and trial with the purpose of the experimental tests of theoretical elaboration of the hydrostatic mover prototype.
  - c) Scientific-practical definition and amplification of methodology of calculation and elaboration of engineering methods of calculation.
3. In spite of a number of unsolved tasks and tasks in the presented materials an attempt to use hydrostatic forces and as an active elements of mover-air and water can only be greeted.
4. An alternatives to compressor sources of gases with pressure to compressor sources of gases with pressure can be natural sources, industrial exhausts and the line. Using of natural sources of gas without of their burning up or industrial exhausts simultaneously with their utilization can give an exclusive ecological effect. In this case using of mover for generation of the electrical energy becomes too actual.
5. Suggesting "Hydrostatic Mover" and principle of it's operation with an especial success can be realized for functioning of slow-running too machine rotors for example in a heavy mining industry, in a shipbuilding industry and especially in a large-tonnage touchier building. At the same time high-constable and unreliable system of reduction and regulating of shaft rotation speed are excluded.
6. From above mentioned come-suggested mover is workable (efficient) and have a number of positive qualities surpassing the qualities of already known

”Hydrostatic Mover” is more effective at a time of the through out to no purpose in atmosphere the natural and industrial gases for which because of low pressure there are no opportunity to use them in aeromechanical or any other purposes.

Leading scientific assistant c.t.s. Gadjiev G.A.

Senior scientific assistant, c.t.s. Khalilov D.D.

Azerbaijan Scientific Research Institute of Energetics and Energodesign.