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The invention relates to the power engineering, in particular to plants for conversion of water flow kinetic energy into the electric and/or mechanical energy.

The plant for water flow kinetic-to-electric energy conversion contains at least a pair of floating anchored caissons 1, placed in parallel to each other, which are rigidly coupled with cross bars 3 and are provided with pins 2 for water guide into the space between them; a mechanism for water flow energy conversion into the mechanical energy mounted onto the floating caissons 1 and an electric generator 14. The mechanism for water flow energy conversion into the mechanical energy includes at least a pair of container blocks, mounted onto guides 4 by means of rolls 5, with the possibility of rectilinear alternate motion. Each block includes an equal number of containers 6, rigidly fixed onto a bar 7. Each container 6 is made box-shaped, submerged in the water and placed with the open side against the water flow, and the bottom thereof is made in the form of blind 8, the alternate position of which open or closed for each container block is controlled by a control mechanism. The free ends of each of the bars 7 are articulately joined with the ends of a double-arm lever 9, the arms of which are equal. To both arms of the lever symmetrically about the rotation foot there are articulately fixed two intermediate links 10, articulately joined with the rods of the pistons 11 of the cylinder block 12, coupled with the electric generator 14 by means of a turbine.

The containers 6 may be partially submerged in the water.

Claims: 2
Fig.: 1