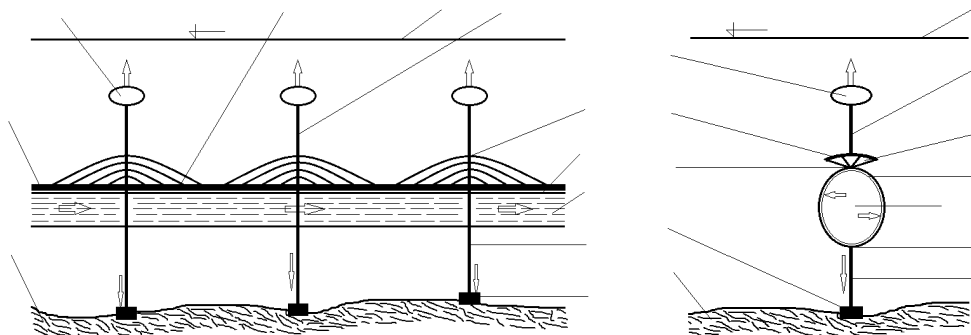


Floating pipeline

The field of the technique to which the invention relates

The invention relates to the field of the technique of constructing an innovative floating pipeline at a position below the surface of the water. In such a way that the pipeline so constructed is technically advanced to bridge the deep water of the ocean or the sea, and for the distribution of water from the mouth of the river to the consumer. In addition to the above-mentioned primary objective, such construction and maintenance technology has been improved to provide the ability to make the pipeline as possible and built.

In the figure, a longitudinal section of the pipeline is shown at the location of the setting in the ocean or sea, with the shown position of the bearing anchorages with the anchor points in accordance with the invention.



The pipeline is made of a cylindrical canvas, which is connected to the construction of the pipeline. Then, through the position fixing cable it binds to buoys placed below the surface the water, sea. Looking at the surface of the water pipelines are visually not noticeable. The distance between the buoy and the anchorage is less than the distance between the water level and the bottom of the sea. The flow of water unfolds in an approximately horizontal position. Regardless of the distance, water is transmitted thousands of kilometers in this way. The energy required for the transfer of water is based on the principle of the joining vessel, so that the input part of the water position in the pipeline and its outlet are in balance. The water flow within the pipeline and the speed of its flow is equal to the potential energy of the water inlet into the pipeline, that is, the formed water pillar above the water level or the potential of the pump, if other possibilities are excluded.

An example of the dam at the mouth of the river, a low dam with a water pillar of 5 (m) must be formed. The dam is partly made of hollow material, the water is naturally filtered and concentrated in the pool. The swimming pool is connected to the pipelines, which is made of canvas in a developed diameter of 10 (m), placed in the sea in accordance with the innovative solution. With its position at the other end of the pipeline, on the other shore of the sea a water storage tank for water accumulation has been made, water is connected to the receiving pool by the principle of connected vessels, in the amount of water and consumption. Thus, a closed cycle of movement of water from the river through the route through the sea water is foreseen, without mixing it with seawater, without consuming energy for its transmission and with the necessary amount of water which can reach more than 100 (m³/s) of flow for irrigation purposes. The pipeline should be disassembled into parts for a certain period of use, rinse the deposited sludge, and then reinstall it for use.

In the figure, the cross section of the pipeline with the position of the underwater buoy and the construction of the pipelines, interconnected in accordance with the invention, is shown hooked

the cable of the buoy and for the anchorage located at the bottom of the sea. Their position furthermore enables and controls the ballast weights placed in the construction of the pipeline. The water flow in the pipeline is below the sea level.

The necessary cleaning of an innovative pipeline can be achieved by using a water vacuum cleaner, additional necessary equipment to be inserted inside a part of the pipeline through the designated technical opening, and at a time when the pipeline is used. This gives us unhindered and constant characteristics of water flow over a long period of use of the pipeline.

Innovative technology can contribute to the need for wastewater treatment from coastal cities, through innovative pipes transported contaminated water to distant marine currents, in order to maintain the quality of seawater for the tourist content and general health of people living in the area.

Additional known solutions that contribute to the realization of the project, such as mounting equipment and springs on all necessary cables, should be mentioned due to the amortization of current impacts due to the effects of various forces and the effects of high waves. Certain sensors placed on buoys, with satellite monitoring via the valve, control and protect the operation of the pipeline.

Specific companies will have additional use of this innovation, which contains at least one of the above patent applications, where innovation provides an indicative set of future technical solutions. For example, a pool below the sea level is provided at the exit of the pipeline users, so that the flow of water within the pipeline is accelerated, and then the water is pumped and by discharging the receiving pool.