ABSTRACT

WATER PUMPING SYSTEM FOR A WATER TURBINE

A water pumping system for a water turbine (1) comprising a fixed water tank (2) for collecting water downstream of the water turbine, where the water turbine is being fed with water from an upper reservoir (12), a plurality of movable vessels (3, 4, 5) arranged in sequence from upstream to downstream locations for successively transferring water from the water tank to a lower reservoir and a plurality of mechanical pumping mechanisms (6, 7) mounted in the lower reservoir for pumping water from the lower reservoir to the upper reservoir. The pumping mechanisms are driven solely by the movement of the movable vessels under the weight of the water transferred.

FIGURE 1

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