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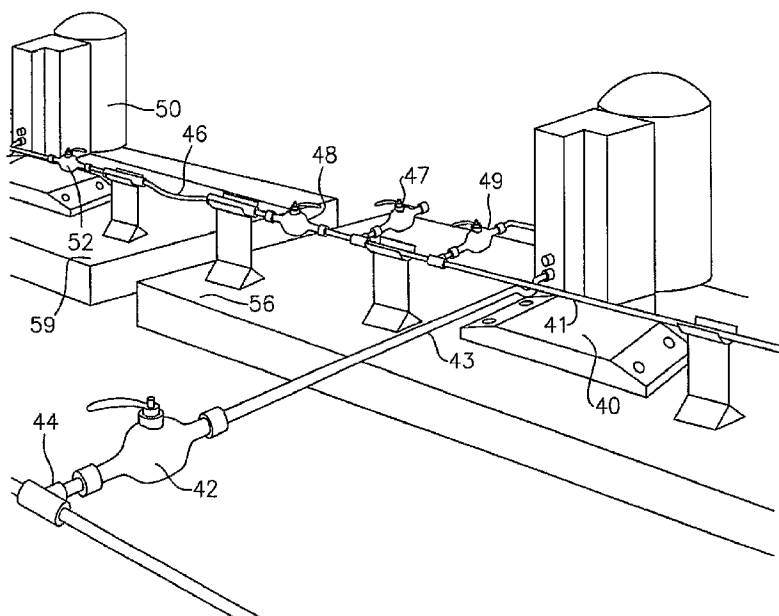
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(54) Title: A MACHINE AND SYSTEM FOR POWER GENERATION THROUGH MOVEMENT OF WATER



(57) Abstract: A system for power generation through movement of water having an array of power generating cells hydraulically interconnected where the array is composed of cells in an interchangeable modular arrangement, the cells are positioned to receive kinetic energy from the movement of water, and the cells convert the energy by the movement of water through a turbine that drives a hydraulic pump. The hydraulic pumps may be hydraulically isolated from each other and are connected through a hydraulic motor to a generator which may be an AC synchronous induction motor. The power generating cell may also be comprised of a single turbine and hydraulic pump combination that in turn drives a motor.