

Marine beacon having independent power generation

ABSTRACT

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A marine beacon for providing navigational aid is disclosed comprising a float; a signalling means mounted above water surface; and a propellor-driven turbine mounted below water surface. The turbine harnesses underwater current to generate electricity useful for operating the signaling means. The signalling means may include any one or combination of a lighting, radio transmitter, fog horn or sonar emitter, and is preferably controlled by an electronic module which may be hermetically sealed in a housing. A base support may be provided for mounting the aforesaid components relative to one another. The power generated from our marine beacon's turbine may be collected by an accumulator from which the signaling means and/or electronic module may draw their respective operating power. The accumulator may be a rechargeable battery, capacitor or compulsator.

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FIGURE 4 accompanies the abstract.

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