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- (72) **Inventor; and**
- (71) **Applicant : KOURIS, Paul, Steven** [AU/AU]; 10 Rick-
etts Court, Kalorama, Victoria 3766 (AU).
- (74) **Agent: GRIFFITH HACK;** GPO Box 1285, Melbourne,
Victoria 3000 (AU).
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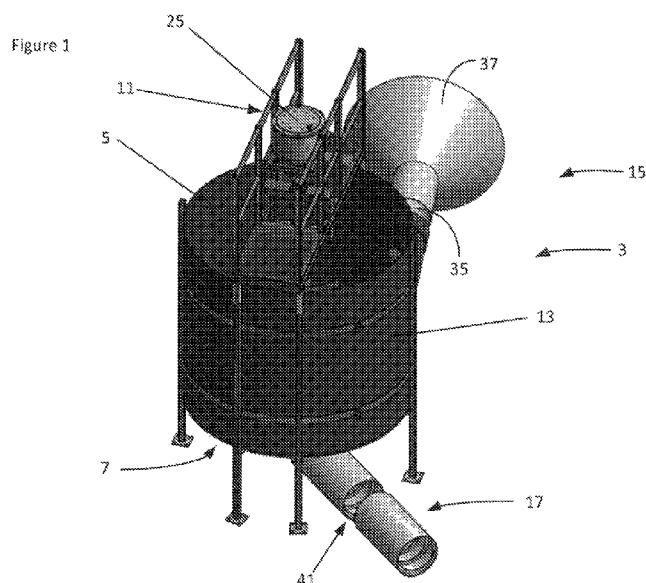
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(54) **Title:** AN ASSEMBLY FOR GENERATING ELECTRICITY



(57) **Abstract:** An assembly for generating electricity from flowing water includes a chamber having a base, a side wall extending from the base, a water inlet, and a water outlet, a rotor unit having a shaft and a rotor mounted to the shaft located in and rotatable in the chamber in response to water flow through the chamber, and an electrical generator coupled to the rotor unit for generating electricity in response to rotation of the rotor. The dimensions of the inlet, the outlet and the chamber and the positions of the inlet, the outlet and the rotor are selected to promote the formation of a vortex within the chamber when in use the assembly is located in a body of water or beside a body of water, in a waterway or beside a waterway, within an enclosed water conduit or beside an enclosed water conduit, and there is a flow of water through the chamber from the inlet to the outlet.