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(54) Title: ELECTROMAGNETIC DEVICE

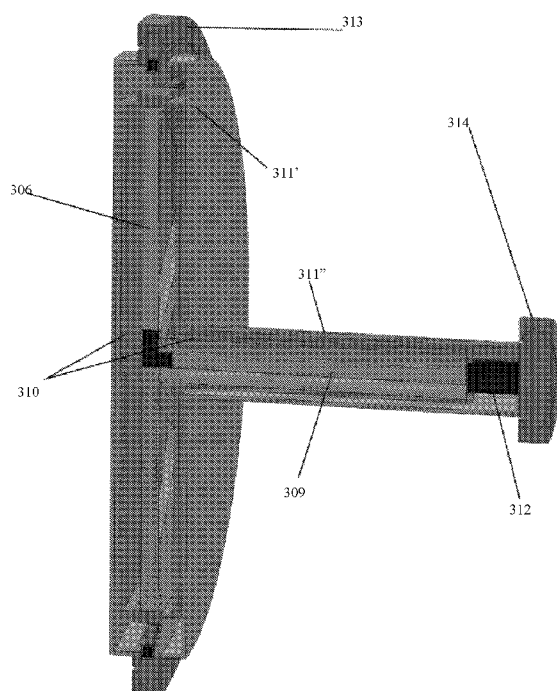


Figure 31

(57) Abstract: ABSTRACT The motors/generators of the preferred embodiments comprise a rotating part (rotor) and a stationary part (stator). In the devices disclosed, the primary function of the stator is to provide a high strength background magnetic field in which the rotor rotates. The rotor can be powered with a current that changes direction in concert with the relative change in magnetic field direction of the background field (that is, as the rotor moves from one magnetic pole to the next) in the case of a motor. In the case of a generator, the movement of the rotor generally results in the generation of an alternating voltage and current.



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