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(54) Title: IMPROVED APPARATUS FOR TRANSFERRING TORQUE MAGNETICALLY

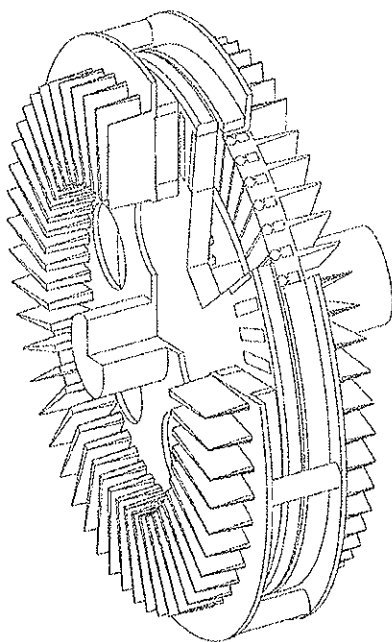


FIG. 1

(57) Abstract: An apparatus for transferring torque magnetically with a primary rotary member and a secondary rotary member, wherein said rotary members are disc shaped and are sandwiched between one another. The primary rotary member has permanent magnets mounted radially on a disc, the secondary rotary member having disc geometry with electro conductive material arranged on it. The secondary rotary member also having magnetically permeable material. The new improvements herein have modified the earlier cylindrical design to that of an alternative disk - plate / shape design utilizing the similar magnetic circuit that which overcomes some deficiencies/problems in the prior art, in that the prior art required more precision alignment of the electro-conductive rotor inside the magnetic can array and requires additional strength in the foundations of the machinery in order to maintain the air gap between the magnet can and the rotor assembly.

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