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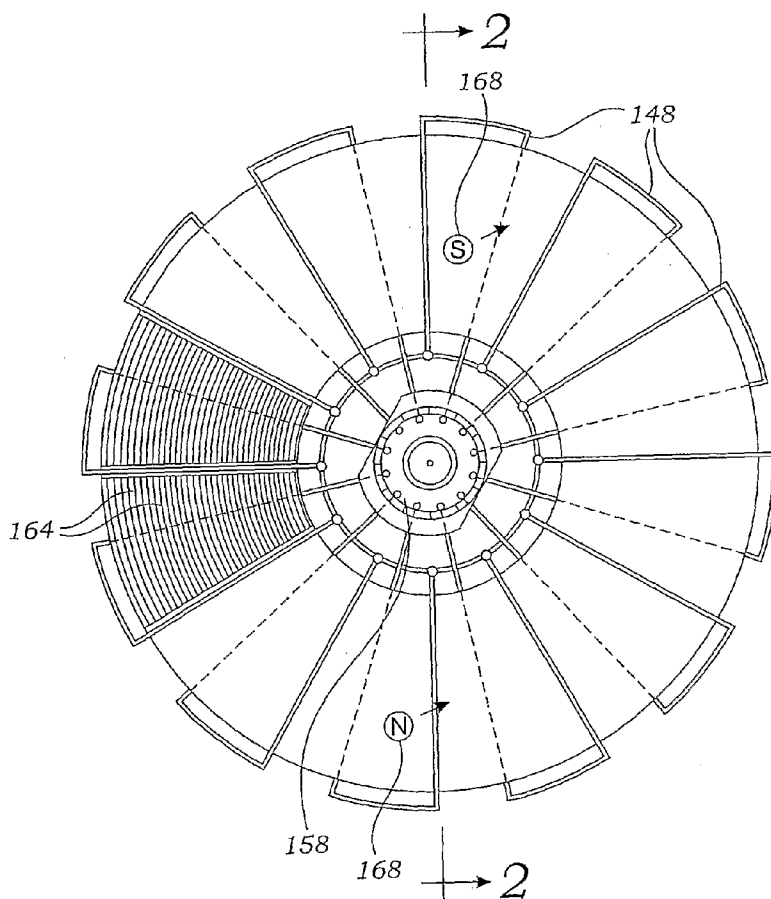
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(54) Title: MONOPOLE FILED ELECTRIC MOTOR GENERATOR



(57) Abstract: A rotating electromagnetic apparatus has a stator including a stator frame supporting parallel spaced apart, disc-shaped permanent magnet sets. Each of the magnet sets is formed as plural, spaced apart, co-planar magnet segments. The segments are arranged with permanent magnet poles of opposite polarity in an alternating sequence. A rotor provides a magnetically permeable rotating rotor frame mounted on an axle and supported by the stator frame. The rotor frame provides a plurality of radially oriented, toroidally wound coils. Like poles of the magnet sets are set in opposing, face-to-face positions with the rotor between them. A current supplying commutator engages the rotor such that each of the coils provides electromagnet poles positioned alternately for attraction and repulsion of the permanent magnet poles thereby causing rotor rotation.



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