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(54) Title: MOTOR WITH AXIALLY ADUSTABLE ROTOR ASSEMBLY

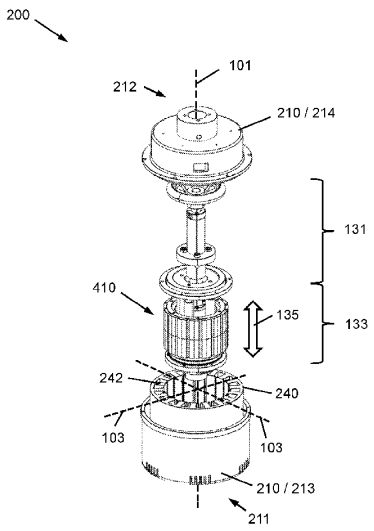


FIG. 2

(57) Abstract: A motor includes a housing, a stator, and a rotor assembly. The housing defines a primary axis axially extending through a first end and a second end of the housing. The stator is fixedly disposed at the first end of the housing and axially spaced apart from the second end of the housing. The rotor assembly includes a support frame and a rotor. The support frame is rotatable about the primary axis relative to the housing. The support frame includes a plurality of rods. The plurality of rods are constrained from an axial displacement relative to the housing. The rotor includes a plurality of rotor magnets. The rotor is disposed on the support frame. The rotor and the support frame are rotatable as a body about the primary axis, with the rotor axially displaceable relative to the support frame.

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