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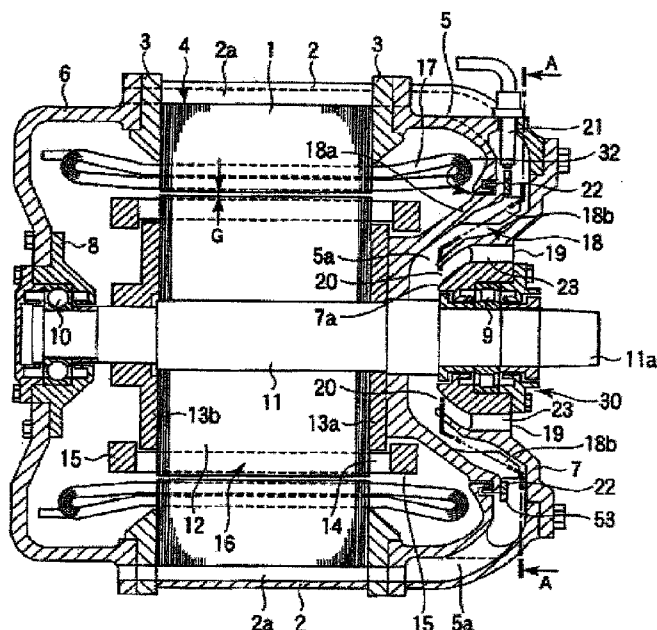
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(54) Title: ELECTRIC MOTOR

[Fig. 1]



(57) Abstract: In one embodiment, an electric motor. A first bracket is fixed to the first side of a stator core in an axial direction, and is fixed to first bearing housing. A second bracket is fixed to the second side of the stator core, and is fixed to second bearing housing. The rotor includes a shaft rotatably supported by bearings, and an attached rotor core. Rotor core faces the inside of the stator core. A fan is attached to the shaft between the rotor core and the first housing. A flue formed between the first housing and the first bracket is configured to draw air from a port to a part of the first bracket. A rotation detection circuit includes a detected part fixed to the fan, and is within the flue. A sensor operable to detect the part is set in the flue, counter to the detected part.

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