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TAKAHASHI et al.(10) **Pub. No.: US 2022/0352780 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **MOTOR, FAN, AIR CONDITIONER, AND
MANUFACTURING METHOD OF MOTOR**(71) Applicant: **Mitsubishi Electric Corporation,**
TOKYO (JP)(72) Inventors: **Ryogo TAKAHASHI**, Tokyo (JP);
Hiroki ASO, Tokyo (JP)(21) Appl. No.: **17/621,753**(22) PCT Filed: **Jul. 20, 2020**(86) PCT No.: **PCT/JP2020/028043**

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ABSTRACT

A motor includes a rotor having a rotation shaft and a bearing mounted to the rotation shaft, a stator surrounding the rotor, a heat dissipation member provided on one side of the rotor in an axial direction of the rotation shaft, and a resin portion covering the stator and at least a part of the heat dissipation member. The heat dissipation member has a first concave portion surrounding the bearing from an outer side in a radial direction about the rotation shaft, and a second concave portion formed on an inner side of the first concave portion in the radial direction.

