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MURAKAMI et al.(10) **Pub. No.: US 2022/0352779 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **WATERPROOF FAN**(71) Applicant: **SANYO DENKI CO., LTD.**, Tokyo
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25/0613 (2013.01)(57) **ABSTRACT**

A waterproof fan includes: a rotating blade configured to be rotatable about a rotation axis; a rotor including a permanent magnet; a stator including a plurality of stator cores located on an inner diameter side relative to the rotating blade, the plurality of stator cores extending in a radial direction relative to the rotation axis, and windings each wound around a respective stator core; a circuit board electrically connected to the windings; a waterproof cover including a first resin, the waterproof cover covering the circuit board; and a molded portion including a second resin, the molded portion covering at least the stator, the waterproof cover includes: a partitioning portion separating the windings from the circuit board; and a protruding portion protruding from the partitioning portion into a space between the windings, and gaps between the windings, and the partitioning portion and the protruding portion are filled with the second resin.

