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Li et al.(10) **Pub. No.: US 2022/0360156 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **LINEAR VIBRATION MOTOR**(71) Applicant: **AAC Microtech (Changzhou) Co., Ltd.**, Changzhou City (CN)(72) Inventors: **Ziang Li**, Shenzhen (CN); **Yan Shao**, Shenzhen (CN); **Zhiyong Cui**, Shenzhen (CN)(21) Appl. No.: **17/541,286**(22) Filed: **Dec. 3, 2021**(30) **Foreign Application Priority Data**

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ABSTRACT

One of the objects of the present invention is to provide a linear vibration motor which enhances vibration performance. To achieve the above-mentioned object, the present invention provides a linear vibration motor having a housing body with an accommodation space; a vibration unit accommodated in the accommodation space; an elastic member suspending the vibration unit in the accommodation space; and a coil assembly fixed to the housing body for driving the vibration unit to vibrate. The vibration unit includes a magnet assembly having a plurality of first magnets arranged along a vibration direction of the vibration unit, and at least one second magnet sandwiched between two adjacent first magnets, for forming a magnetic circuit.

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