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SHIMIZU et al.(10) **Pub. No.: US 2024/0213860 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **FIXING STRUCTURE OF CHOKE COIL AND MOTOR**(52) **U.S. Cl.**CPC **H02K 13/006** (2013.01); **H02K 13/10** (2013.01)(71) Applicant: **MABUCHI MOTOR CO., LTD.**,
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A choke coil is mechanically fixed without using an adhesive, and a fixed state is maintained for a long period of time. A fixing structure of a choke coil electrically connected to a brush that is in sliding contact with a commutator and housing a ferrite core inside includes: a bottom surface portion where the choke coil is placed; a housing wall portion erected from the bottom surface portion and forming a first space that houses the choke coil with the bottom surface portion; an elastic portion that is formed by notching a part of the housing wall portion and capable of elastic deformation; and a pressing portion that presses the choke coil via the elastic portion by biasing the elastic portion to an inside of the first space, and fixes the choke coil between the pressing portion and the inner surface of the housing wall portion.

