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SCHLERETH et al.(10) **Pub. No.: US 2024/0213846 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **INCREASE STIFFNESS OF ALUMINIUM
DIE-CAST HOUSING BY CAST IN A
REINFORCEMENT MADE OF STEEL**(30) **Foreign Application Priority Data**

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Erlangen (DE)(57) **ABSTRACT**(21) Appl. No.: **18/558,044**(22) PCT Filed: **Apr. 28, 2022**(86) PCT No.: **PCT/EP2022/061378**

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A housing for an electric machine has a hollow-cylindrical housing casing and a circular bearing plate composed of a first material which is arranged at one axial end of the housing casing. A reinforcing element composed of a second material is embedded in the bearing plate. In addition, an electric machine having such a housing, a vehicle having such an electric machine and a method for producing the housing are described.

