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CONDAMINET(10) **Pub. No.: US 2022/0352769 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **STATOR FOR BRUSHLESS MOTOR OR GENERATOR***H02K 1/02* (2006.01)*H02K 5/02* (2006.01)(71) Applicant: **INTEVA PRODUCTS, LLC**, Troy, MI (US)(52) **U.S. Cl.**CPC *H02K 1/165* (2013.01); *H02K 3/02* (2013.01); *H02K 1/02* (2013.01); *H02K 5/02* (2013.01); *H02K 2213/03* (2013.01)(72) Inventor: **Vincent CONDAMINET**, Donnay (FR)(21) Appl. No.: **17/713,750**(22) Filed: **Apr. 5, 2022**

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A stator assembly for use with a brushless geared motor assembly, including: a stack of several steel laminations, each of the steel laminations include several teeth extending inwardly from a yoke portion of each of the steel laminations, wherein an inner shape and an outer shape of each yoke portion have the same polygon shape for both the inner shape and outer shape of the yoke portion.

