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(19) **United States**(12) **Patent Application Publication**  
**HOLCOMB**(10) **Pub. No.: US 2022/0368180 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **UNIQUE METHOD OF HARNESSING  
ENERGY FROM THE MAGNETIC DOMAINS  
FOUND IN FERROMAGNETIC AND  
PARAMAGNETIC MATERIALS****H02K 16/04** (2006.01)**H02K 19/16** (2006.01)(52) **U.S. Cl.**CPC ..... **H02K 1/24** (2013.01); **H02K 3/18**  
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SARASOTA, FL (US)**(21) Appl. No.: **17/765,992**(22) PCT Filed: **Oct. 4, 2019**(86) PCT No.: **PCT/EP2019/076967**

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The present disclosure relates to a power generator and method of generating AC or DC power, including the removal of reverse torque and utilizing the electromagnetic coils of a generator stator to harvest the inherent energy available in the magnetic domains of ferromagnetic and paramagnetic materials of pole pieces of a generator rotor. The method comprises: determining an excitation cycle based on a target frequency of the power generator; executing the excitation cycle by providing a current to one or more wires of the generator according to a predefined sequence to align magnetic domains of the salient pole pieces of the generator rotor to produce an evolving magnetic flux field; and routing a resultant current, generated by the magnetic flux field, to a power output. Systems and apparatuses disclosed herein comprise means for carrying out the same.

