



US 20220360158A1

(19) **United States**(12) **Patent Application Publication**  
**KERR**(10) **Pub. No.: US 2022/0360158 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **OCEAN CURRENT AND TIDAL POWER  
ELECTRIC GENERATOR****Publication Classification**(51) **Int. Cl.****H02K 44/08** (2006.01)**F03B 13/12** (2006.01)**H02K 44/10** (2006.01)**H02K 44/12** (2006.01)**H02K 44/16** (2006.01)(52) **U.S. Cl.**CPC ..... **H02K 44/085** (2013.01); **F03B 13/12**  
(2013.01); **H02K 44/10** (2013.01); **H02K**  
**44/12** (2013.01); **H02K 44/16** (2013.01)(71) Applicant: **Colin KERR**, Halifax (CA)(72) Inventor: **Colin KERR**, Halifax (CA)(21) Appl. No.: **17/751,582**(22) Filed: **May 23, 2022****Related U.S. Application Data**(63) Continuation of application No. 16/478,105, filed on  
Jul. 15, 2019, now Pat. No. 11,342,829, filed as  
application No. PCT/US2018/013929 on Jan. 16,  
2018.(60) Provisional application No. 62/446,439, filed on Jan.  
15, 2017.

(57)

**ABSTRACT**

Embodiments of an apparatus for generating electric power from flowing seawater are disclosed. Embodiments form fluid channels having magnetic fields through which seawater will flow. Electrodes are arranged with respect to the fluid channels and connected together such that electric power is generated as seawater flows through the channels.

