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Radzikh(10) **Pub. No.: US 2024/0178731 A1**(43) **Pub. Date: May 30, 2024**(54) **ELECTRIC JET ENGINE**(71) Applicant: **Yuriy Radzikh**, Jenkintown, PA (US)(72) Inventor: **Yuriy Radzikh**, Jenkintown, PA (US)(21) Appl. No.: **18/346,765**(22) Filed: **Jul. 3, 2023****Related U.S. Application Data**

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(57)

ABSTRACT

Electric engine to provide thrust to fly an aircraft. Engine includes housing, air inlet, shaft, bladed rotor having a plurality of magnets secured on shaft, stator having plurality of coils positioned so as to interact with plurality of magnets and an exhaust nozzle. Powering coils causes interaction with magnets that results in bladed rotor rotating and pressurizing and accelerating air received via air inlet and expelling via exhaust nozzle to provide thrust. Engine may include generator having stator with coils secured to shaft via bearings and plurality of rotors with magnets secured to shaft to rotate with shaft. Magnets rotating past coils results in electric generation. Second hollow shaft may be mounted to shaft with bearings and generator may be located with hollow shaft. Second bladed rotor may be connected to, and rotate, second shaft. Engine may include ducts external to bladed rotor and fan to route air therein.

