



(12) **Patent Application Publication**
COSTELLO et al.

(10) Pub. No.: US 2024/0213861 A1

(43) **Pub. Date:** **Jun. 27, 2024**

Publication Classification

(51) **Int. Cl.**
H02K 15/00 (2006.01)

(52) **U.S. Cl.**
CPC *H02K 15/0006* (2013.01)

(57) **ABSTRACT**

Provided is a method of mechanically disconnecting an electrical machine from a rotor shaft. The electrical machine includes a stator and a rotor that is mechanically connected to the rotor shaft by one or more mechanical fixings. With the rotor shaft stopped, either one or more supports are inserted into the air gap between the stator and the rotor or the stator is raised relative to the rotor so that the stator contacts the underside of the rotor. The rotor is therefore supported by the one or more supports or by the stator. The one or more mechanical fixings are removed to mechanically disconnect the rotor from the rotor shaft. The electrical machine is moved axially away from a part of the rotor shaft such as a shaft flange.

(22) Filed: **Dec. 13, 2023**

(30) **Foreign Application Priority Data**

Dec. 23, 2022 (EP) 22216437.8

