

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0230725 A1 Thyrvin et al.

Jul. 20, 2023 (43) **Pub. Date:**

(54) UNDERGROUND POWER CABLE SYSTEM FOR LIGHTNING STRIKE PROTECTION

- (71) Applicant: NKT HV Cables AB, Lyckeby (SE)
- (72) Inventors: Ola Thyrvin, Karlskrona (SE); Thomas Worzyk, Lyckeby (SE); Robert Wayne Hobson, Cary, NC (US)
- (21) Appl. No.: 17/648,489
- (22) Filed: Jan. 20, 2022

Publication Classification

(51) Int. Cl. H01B 9/02 (2006.01)H02G 9/06 (2006.01)

U.S. Cl. CPC H01B 9/028 (2013.01); H02G 9/06 (2013.01)

(57)**ABSTRACT**

An underground power cable system including: an underground power cable, and a metallic mesh extending outside of and axially along the underground power cable.

