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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2022/0360065 A1**  
(43) **Pub. Date: Nov. 10, 2022**(54) **APPARATUS FOR ELECTRICALLY  
INSULATING A LATERAL CONNECTING  
PORTION OF A LAMINATED MULTI-PHASE  
BUSBAR**(52) **U.S. Cl.**  
CPC ..... **H02G 5/005** (2013.01); **H01B 13/06**  
(2013.01); **H02B 1/20** (2013.01)(71) Applicant: **ABB Schweiz AG**, Baden (CH)(72) Inventors: **Martin Sramek**, Palarikovo (SK);  
**Libor Vitek**, Namest nad Oslavou (CZ)(73) Assignee: **ABB Schweiz AG**, Baden (CH)(21) Appl. No.: **17/870,974**(22) Filed: **Jul. 22, 2022****Related U.S. Application Data**(63) Continuation of application No. PCT/EP2020/  
051912, filed on Jan. 27, 2020.**Publication Classification**(51) **Int. Cl.**  
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**H01B 13/06** (2006.01)(57) **ABSTRACT**

An apparatus for electrically insulating a lateral connecting portion of a laminated multi-phase busbar comprises an elongated housing having first second housing sections made of an electrically insulating material that are pivotally connected to each other along a hinge section extending in a longitudinal direction of said housing and an opening arranged opposite to said longitudinal hinge section for receiving a connecting portion of a laminated multi-phase busbar. The first housing section comprises a plurality of first engagement structures and said second housing section comprises a plurality of second complementary engagement structures adapted to engage with said first engagement means when pivoting said first and second housing section towards each other from a first assembling position to a second clamping position.

