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Johnson et al.(10) **Pub. No.: US 2023/0231367 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **INTEGRATED CABLE TRAY SPLICE****F16B 5/02** (2006.01)**H02G 3/04** (2006.01)(71) Applicant: **Eaton Intelligent Power Limited,**
Dublin (IE)(52) **U.S. Cl.**CPC **H02G 3/06** (2013.01); **F16L 3/26**
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ABSTRACT(73) Assignee: **Eaton Intelligent Power Limited,**
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A cable tray assembly includes first and second cable tray sections. Each cable tray section included a rail including a vertical web, an upper flange, and a lower flange. Each upper flange includes an outboard portion having a downwardly extending tab forming a groove extending along the upper flange. A splice plate assembly connects the first and second cable tray sections. The splice plate assembly includes a first splice plate configured to be retained in the groove extending along the upper flange of the first cable tray section. A second splice plate is configured to be retained in the groove extending along the upper flange of the second cable tray section. The first and second splice plates each define a fastener opening. The fastener openings are alignable with one another and configured to receive a fastener to connect the first and second cable tray sections when the splice plates are attached to the respective cable tray sections.

