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Dye et al. (43) **Pub. Date: Jul. 20, 2023**(54) **MECHANICAL SPARK CONTAINMENT FOR DISCONNECTOR****Publication Classification**(51) **Int. Cl.**  
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CPC ..... **H01H 9/042** (2013.01)(71) Applicant: **Hubbell Incorporated**, Shelton, CT (US)(72) Inventors: **Justin Lee Dye**, Canton, OH (US);  
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**Xingniu Huo**, Medina, OH (US)(21) Appl. No.: **18/125,436**(22) Filed: **Mar. 23, 2023****Related U.S. Application Data**

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(57) **ABSTRACT**

In one aspect, the application provides an electrical system including a conductor, a ground, an arrester electrically connected to the conductor, and a disconnecter assembly electrically connected between the arrester and the ground. The disconnecter assembly includes an isolator configured to perform an operating function in response to the occurrence of an event and a housing configured to surround the isolator. The isolator includes a first terminal electrically connected to the arrester by a first wire and a second terminal electrically connected to the ground by a second wire. The housing includes a first opening through which the first terminal extends, a second opening through which the second terminal extends, and a retention mechanism configured to hold the isolator in place relative to the arrester.

