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(19) **United States**(12) **Patent Application Publication**  
**KOJIMA et al.**(10) **Pub. No.: US 2023/0230721 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **SHIELDED FLAT CABLE**(52) **U.S. Cl.**(71) Applicant: **SUMITOMO ELECTRIC INDUSTRIES, LTD., Osaka (JP)**CPC ..... **H01B 7/0861** (2013.01); **H01B 7/0823** (2013.01); **H01B 7/0838** (2013.01); **H01B 7/295** (2013.01)(72) Inventors: **Chiaki KOJIMA**, Tochigi (JP); **Yuki MORI**, Tochigi (JP)(57) **ABSTRACT**(21) Appl. No.: **18/002,343**(22) PCT Filed: **Jul. 2, 2020**(86) PCT No.: **PCT/JP2020/025976**

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A shielded flat cable includes multiple conductors arrayed in parallel along a first plane, a resin insulating layer including first and second resin insulating layers that cover the conductors, the first plane being sandwiched between the first and second resin insulating layers, a shield layer that covers an outer surface of the resin insulating layer and that includes an adhesive, and a pair of flame-retardant resin films that cover an outer surface of the shield layer. The pair of resin films have a first bonding section and a second bonding section where the pair of resin films are bonded to each other. The outer surface of the shield layer has a first portion that contacts the first bonding section and a second portion that contacts the second bonding section. The shield layer has a third bonding section where the adhesive is bonded to each other.

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