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(19) **United States**(12) **Patent Application Publication****Xie et al.**(10) **Pub. No.: US 2022/0353998 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **ROLL-TO-ROLL COPPER FOIL  
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**2203/0235** (2013.01)(57) **ABSTRACT**

Provided is a roll-to-roll copper foil laminating device. The device comprises a dry film holder shaft, a copper foil holder shaft, and a dry film roll connected to the dry film holder shaft; an outer surface of the copper foil frame shaft is wound with a copper foil roll. Before the dry film roll contacts a diffuser roller, the dry film roll goes through an EPC correction structure and remain in a state of active bonding; the distance from the dry film roll to the diffuser roller is 1.5 times a distance from the copper foil roll to the diffuser roller; a rotation axis of the dry film holder shaft and a rotation axis of the copper foil holder shaft move synchronously with an outer spin column.

