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# United States Patent [19]

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Fujimoto

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[54] **METHOD OF REMOVING COATED FILM FROM SUBSTRATE EDGE SURFACE AND APPARATUS FOR REMOVING COATED FILM**

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[57] **ABSTRACT**

[21] Appl. No.: **09/012,789**

A method of removing a coated film from an edge surface of a substrate comprising the steps of (a) forming an insulating film for protecting a circuit pattern of a substrate by pouring an insulating resin solution on a circuit-pattern formation surface of the substrate, (b) rotating the substrate having the insulating film coated thereon, (c) removing the insulating film by pouring a solvent on the edge surface of the substrate, while the substrate is being rotated, and (d) accelerating dehydration of the insulating film by taking at least one action of spraying a gas to the edge surface of the substrate and performing a local evacuation of a region in the proximity of the edge surface of the substrate while the substrate is being rotated.

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[30] **Foreign Application Priority Data**

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[51] Int. Cl.<sup>6</sup> ..... **B05D 3/12**; B05C 11/02

[52] U.S. Cl. .... **427/240**; 118/52; 118/64; 427/336; 427/385.5; 427/294; 431/231

[58] Field of Search ..... 427/240, 336, 427/294, 385.5; 437/231; 118/52, 64

[56] **References Cited**

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**18 Claims, 4 Drawing Sheets**

