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(54) Title: ELECTROLYTIC COPPER FOIL HAVING A MODIFIED SHINY SIDE

(57) Abstract

Treated electrolytic copper foil wherein the shiny side of the raw foil is modified and smoothed by an electrodeposited copper gilding layer, a copper–clad laminate produced with such foil, and an electrical circuit produced from such a laminate. The preferred foil has the surface of the shiny side of the raw foil modified by an electrodeposited copper gilding layer, a copper dendritic layer electrodeposited on the gilding layer, and a second copper gilding layer electrodeposited on the first dendritic layer, while a copper dendritic layer is electrodeposited on the surface of the matte side of the foil, and a copper gilding is electrodeposited on the latter dendritic layer.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/04787

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C25D5/10 C25D5/16 H05K3/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C25D H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 679 230 A (CARBIN DEREK CHARLES ET AL) 21 October 1997 (1997-10-21)	
A	US 5 447 619 A (AC KURT ET AL) 5 September 1995 (1995-09-05) cited in the application	

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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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formation on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5679230 A	21-10-1997	NONE	
US 5447619 A	05-09-1995	NONE	