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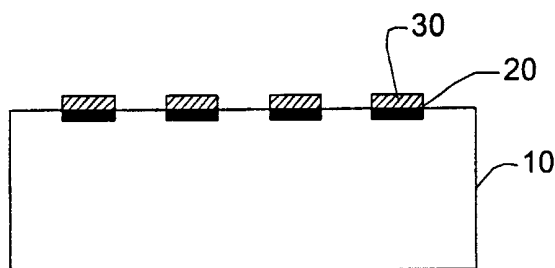
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(54) Title: METHOD FOR THE FORMATION OF A PATTERN ON AN INSULATING SUBSTRATE



(57) Abstract: The present invention provides a method of forming a pattern on an insulating substrate, the method comprising the steps of: providing an insulating substrate (10) made of organic polymer; and treating the substrate (10) with a laser beam so as to irradiate selective portions (20) of the substrate in accordance with the pattern to be formed. Upon laser treatment, the irradiated portions (20) of the substrate (10) undergo a modification, for example undergo ablation and/or become conductive due to carbonization and/or graphitization of the substrate material. The method of the invention may be used in the manufacture of printed circuit boards. In such cases, the laser treated substrate is further exposed to an electroless metal plating step and/or to a galvanic deposition step for the selective deposition of metal (30) on the irradiated areas (20).

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05K3/10 H05K3/18 C23C18/16

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 7 H05K C23C

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)

EPO-Internal, IBM-TDB, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91 18489 A (OLIN CORP) 28 November 1991 (1991-11-28) page 17, line 17 -page 18, line 14; figures 12,13	1-3,5-7, 9,10, 12-17
Y	---	4,8,11
Y	US 4 900 581 A (STUKE ET AL.) 13 February 1990 (1990-02-13) figure 1	4,8
Y	---	11
A	DE 12 62 395 B (SIEMENS AG) column 3, line 6 - line 8	13,14

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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Int. Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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