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(54) Title: METHOD AND APPARATUS FOR THE MANUFACTURE OF ELECTRIC CIRCUITS

(57) Abstract: A method of manufacturing a patterned electric circuit. The method comprises the steps of providing a cold gas-dynamic spraying (CGDS) device, providing a substrate, and depositing a pattern of electrically conductive material with the CGDS device on the substrate by relative movement between the CGDS device to the substrate.



# INTERNATIONAL SEARCH REPORT

International Application No  
**PCT/GB2004/004205**

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H05K3/10

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 B05B

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, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 365 637 A (DELPHI TECHNOLOGIES, INC) 26 November 2003 (2003-11-26) abstract paragraphs '0006! - '0012! paragraphs '0022! - '0026! paragraphs '0027!, '0028!	1-3,7-9
P,Y	-----	6
A	DE 100 07 981 A1 (YAZAKI CORP., TOKIO/TOKYO) 2 November 2000 (2000-11-02) abstract; figures 1-3 column 3, line 54 - column 4, line 47	1,4,8,9
Y	----- -/--	6

Further documents are listed in the continuation of box C.       Patent family members are listed in annex.

\* Special categories of cited documents:

<p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p>	<p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*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</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&amp;* document member of the same patent family</p>
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Date of the actual completion of the international search	Date of mailing of the international search report
28 June 2005	05/07/2005

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <p style="text-align: center;">Deconinck, E</p>
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## INTERNATIONAL SEARCH REPORT

International 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.
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 312 (E-788), 17 July 1989 (1989-07-17) -& JP 01 084690 A (MATSUSHITA ELECTRIC WORKS LTD), 29 March 1989 (1989-03-29) abstract	1-3,8
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Information on patent family members

International Application No <b>PCT/GB2004/004205</b>
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