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(72) Inventor: **Caracciolo, Robert**
Lancaster, PA 17603 (US)

(74) Representative: **Dawson, Elizabeth Ann et al**
A.A. Thornton & Co.
235 High Holborn
London WC1V 7LE (GB)

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(71) Applicant: **Burle Technologies, Inc.**
Wilmington DE 19899 (US)

(54) **Secondary emission coating for photomultiplier tubes**

(57) A p-doped diamond film deposited upon a substrate is used to make exceptionally stable high current

secondary electron emitters for photomultiplier tube dynodes.

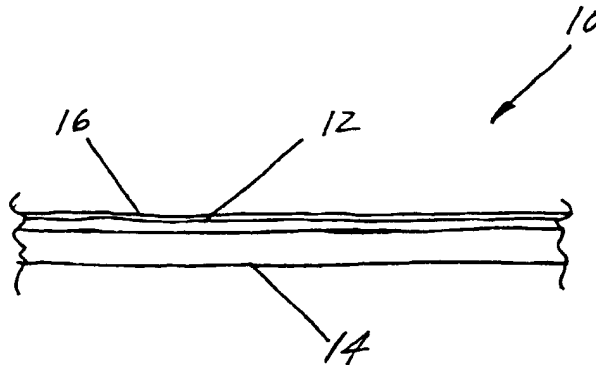


FIG 1

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EUROPEAN SEARCH REPORT

Application Number
EP 98 30 8254

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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X	KAMIYA T ET AL: "SECONDARY ELECTRON EMISSION FROM BORON-DOPED DIAMOND UNDER ION IMPACT: APPLICATIONS IN SINGLE-ION DETECTION" APPLIED PHYSICS LETTERS,US,AMERICAN INSTITUTE OF PHYSICS. NEW YORK, vol. 71, no. 13, 29 September 1997 (1997-09-29), pages 1875-1877, XP000725819 ISSN: 0003-6951 * page 1875 - page 1876 *	1,3	
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A	EP 0 413 482 A (GALILEO ELECTRO OPTICS CORP) 20 February 1991 (1991-02-20) * page 8, line 10 - line 12 *	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 1 February 2000	Examiner Colvin, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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01-02-2000

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