

Title (en)

Ceramic electron multiplying structure especially for photomultiplier and its manufacturing procedure.

Title (de)

In Keramik gefertigte Elektronenvervielfacherstruktur vorzugsweise für Elektronenvervielfacher und Herstellungsverfahren derselben.

Title (fr)

Structure multiplicatrice d'électrons en céramique notamment pour photomultiplicateur et son procédé de fabrication.

Publication

EP 0515261 A1 19921125 (FR)

Application

EP 92401357 A 19920519

Priority

FR 9106099 A 19910521

Abstract (en)

The multiplier manufactured according to the invention has a very compact shape and can have the channel output electrodes arranged in any direction. The multiplying structure (94) is a ceramic block obtained by baking a stack of ceramic sheets prepared beforehand for the purpose of constituting cavities enclosed in the mass. Each cavity (21) is covered with a metallic deposition connected to a lateral contact (23) by a conductor (24) printed on the corresponding sheet beforehand. The channels can have particular geometries in order to have their output on several different surfaces (41, 46, 47) of the multiplying structure. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

H01J 43/04 (2013.01 - EP US); **H01J 43/22** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0283773 A2 19880928 - KERNFORSCHUNGSZ KARLSRUHE [DE]
- [Y] EP 0401879 A2 19901212 - K & M ELECTRONICS CO [US]
- [A] EP 0413481 A2 19910220 - GALILEO ELECTRO OPTICS CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 319 (M-99)9 Juillet 1990 & JP-A-2 107 436 (MURATA MFG CO) 19 Avril 1990
- [A] NTIS TECH NOTES. Octobre 1990, SPRINGFIELD, VA US page 834; 'Multiple-dynode-layer microchannel plate.'

Cited by

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EP 0515261 A1 19921125; **EP 0515261 B1 19960403**; DE 69209560 D1 19960509; DE 69209560 T2 19961031; FR 2676862 A1 19921127; FR 2676862 B1 19970103; JP H05144410 A 19930611; US 5367218 A 19941122

DOCDB simple family (application)

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