

Title (en)

Sheet-type dynode, electron multiplier and photomultiplier having such dynodes.

Title (de)

Dynode vom Blätter-Typ, Elektronenvervielfacher und Photovervielfacher, die mit solcher Dynoden versehen sind.

Title (fr)

Dynode du type "à feuilles", multiplicateur d'électrons et tube photomultiplicateur comportant de telles dynodes.

Publication

**EP 0350111 B1 19950118 (FR)**

Application

**EP 89201727 A 19890629**

Priority

FR 8809083 A 19880705

Abstract (en)

[origin: JPH0254859A] PURPOSE: To accurately determine the position of a detection particle by arranging respective holes of one half dynode while slightly shifting one another as to be positioned on the opposite to the center of the basic shape of the other half dynode and forming a prescribed number of photoelectron multipliers in one photoelectron multiplier. CONSTITUTION: A first and a second half dynodes d, d' are metal sheets 10, 20 and holes 11, 21 so arranged as to form regular repeated patterns of the same basic shapes 12, 22 are formed in the sheets. These holes 11, 21 are holes having upright edges and extremely easily formed. The half dynode d' for electron emission and a first half dynode d, so-called as a half dynode for electron detection, are so arranged with a mutual positioning difference as to position respective holes 11 or 21 of one half dynode d or d' on the opposite to the center 24 or 14 of the basic shape 22 or 12 of the other half dynode d' or d.

IPC 1-7

**H01J 43/22**

IPC 8 full level

**H01J 31/50** (2006.01); **H01J 43/20** (2006.01); **H01J 43/22** (2006.01)

CPC (source: EP US)

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

Cited by

EP0471563A3; US5254906A

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 0350111 A1 19900110**; **EP 0350111 B1 19950118**; DE 68920644 D1 19950302; DE 68920644 T2 19950824; FR 2634062 A1 19900112; IL 90843 A0 19900209; JP H0254859 A 19900223; US 4980604 A 19901225

DOCDB simple family (application)

**EP 89201727 A 19890629**; DE 68920644 T 19890629; FR 8809083 A 19880705; IL 9084389 A 19890703; JP 17174789 A 19890703; US 37021589 A 19890622