

Title (en)

MULTI ANODE-TYPE PHOTOELECTRON INTENSIFIER TUBE AND RADIATION DETECTOR

Title (de)

PHOTOELEKTRONEN-INTENSIVIERUNGSRÖHRE DES MEHRFACH-ANODENTYPS UND STRAHLUNGSDETEKTOR

Title (fr)

TUBE INTENSIFICATEUR DE PHOTOELECTRONS DE TYPE A ANODES MULTIPLES ET DETECTEUR DE RAYONNEMENT

Publication

**EP 1638130 A1 20060322 (EN)**

Application

**EP 03733367 A 20030611**

Priority

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Abstract (en)

A side tube includes a tube head, a funnel-shaped connection neck, and a tube main body integrally along a tube axis. The size of the cross section of the tube head perpendicular to the tube axis is larger than the size of the cross section of the tube main body perpendicular to the tube axis. The radius of curvature at curved corners of the tube head is smaller than the radius of curvature at curved corners of the tube main body. The length of the tube head along the tube axis is shorter than the length of the tube main body along the tube axis. A photocathode is formed in a region inside the tube head on one surface of the faceplate that is connected to the tube head. The multi-anode type photomultiplier tube having the above-described structure can guide light effectively onto the photocathode, and has a high strength.

IPC 1-7

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IPC 8 full level

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