

Title (en)

MULTIPLYING ELEMENT WITH HIGH COLLECTION EFFICIENCY, MULTIPLYING DEVICE EQUIPPED WITH SUCH AN ELEMENT AND APPLICATION TO A PHOTOMULTIPLIER

Publication

**EP 0230694 B1 19900606 (FR)**

Application

**EP 86202323 A 19861218**

Priority

FR 8519482 A 19851231

Abstract (en)

[origin: US4806827A] Electron multiplier element for secondary emission, consisting of a first metal plate (11) which has at least one multiplier hole (12) having one input aperture (13) and one output aperture (14), and a second metal plate (16) in parallel with the first plate (11) which has at least one auxiliary hole (17) disposed opposite the output aperture (14) of the multiplier hole (12). The second plate (16) being brought to an electric potential (V1) which is higher than the electric potential (V0) of the first plate. The apertures (13, 14) are such that the projection (18) of the output aperture (14) of the multiplier hole (12) in a plane which is parallel to the first metal plate (11) is at least partially located outside the corresponding projection (19) of the input aperture (13).

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IPC 8 full level

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