

Title (en)
Imaging dynodes arrangement.

Title (de)
Dynoden-Gestaltung zur Bilderzeugung.

Title (fr)
Configuration de dynodes pour l'obtention d'images.

Publication
EP 0154688 A1 19850918 (DE)

Application
EP 84114271 A 19841126

Priority
US 58779984 A 19840309

Abstract (en)
An imaging dynodes arrangement (24) for an electron multiplier, which comprises a first and a second imaging dynode (26a, 26b) each having a dynode cone (28) with a cone tip (30) and a cone base (32), said dynode cones (28) being connected with each other such that they form free cavities (34) therebetween. There are extensions or needle-shaped extraction points (36) arranged on the cone tips (30) at least of the dynode cones (28) of the second imaging dynode (26b). The second imaging dynode (26b) is mounted beneath the first imaging dynode (26a) in a staggered fashion such that the cone tips (30) of the dynode cones (28) of the second imaging dynode (26b) are seated beneath the cavities (34) of the first imaging dynode (26a), thereby directing the needle-shaped extraction points (36) towards the cavities (34). In a preferred embodiment, the needle-shaped extraction points (36) protrude right into the cavities (34). The arrangement (24) may preferably be used in electron multipliers designed for nuclear medicine.

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Citation (search report)
• [A] FR 2504728 A1 19821029 - HYPERELEC [FR]
• [A] GB 543106 A 19420210 - FRANCOIS JOSEPH GERARD VAN DEN, et al

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