

Title (en)  
PHOTOMULTIPLIER TUBE WITH LEAST TRANSIT TIME VARIATIONS

Title (de)  
FOTOVERVIELFACHERRÖHRE MIT GERINGSTEN TRANSITZEIT-SCHWANKUNGEN

Title (fr)  
TUBE PHOTOMULTIPLICATEUR A MOINDRES ECARTS DE TEMPS DE TRANSIT

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Application  
**EP 06709472 A 20060202**

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Abstract (en)  
[origin: WO2006085018A1] The invention concerns a single-channel photomultiplier tube (1) having a sealed envelope (4), one wall of which (5) comprises an inner side (7) having a concavity with a central axis (AA'), facing inwards of the tube, having a plane of symmetry and bearing a photocathode (2), an input optics (9) including electrodes, an electron multiplier (11) including a plurality of dynodes (30-39), an anode (16), means (12) for connecting the dynodes (30-39), the photocathode (2), the electrodes (13, 15) of the optics (9), and the anode (16), to their operating voltage. The invention is characterized in that the electron multiplier consists of physically mutually separate parts (24, 26), and having between them a symmetry of revolution relative to the central axis of the concavity.

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