

Title (en)
Photomultiplier tube

Title (de)
Photovervielfacherröhre

Title (fr)
Tube photomultiplicateur

Publication
EP 2442347 A1 20120418 (EN)

Application
EP 10187889 A 20101018

Priority
EP 10187889 A 20101018

Abstract (en)
The photomultiplier tube 1 is provided with a casing 5 made of an upper frame 2 and a lower frame 4, an electron multiplying part 33 having dynodes 33a to 33i arrayed on the lower frame 4, a photocathode 41, and an anode part 34. Conductive layers 202 are installed on an opposing surface 20a of the upper frame 2. The electron multiplying part 33 is provided with base parts 52a to 52d of the respective dynodes 33a to 33d installed on the side of the lower frame 4, and power supplying parts 53a to 53d connected to the conductive layers 202 at one end parts of the respective base parts 52a to 52d in a direction along the opposing surface 40a. The base parts 52a to 52d are constituted in such a manner that the both end parts are joined to the opposing surface 40a, the central part is spaced away from the opposing surface 40a, and a cross sectional area at the one end part on the side of each of the power supplying parts 53a to 53d is made greater than a cross sectional area at another end part.

IPC 8 full level
H01J 43/22 (2006.01)

CPC (source: EP)
H01J 43/22 (2013.01)

Citation (search report)
[I] US 2010213838 A1 20100826 - SUGIYAMA HIROYUKI [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2442347 A1 20120418; EP 2442347 B1 20170412

DOCDB simple family (application)
EP 10187889 A 20101018