

Title (en)
Electron multiplying apparatus

Title (de)
Elektronenvervielfältigungsvorrichtung

Title (fr)
Appareil de multiplication d'électrons

Publication
EP 2634790 A2 20130904 (EN)

Application
EP 13156927 A 20130227

Priority
GB 201203561 A 20120229

Abstract (en)
An electron multiplying apparatus such as an electron multiplying detector, comprising: a housing (2) having a wall defining an enclosure (3), the wall having an inner surface within the enclosure and an outer surface outside the enclosure; a source of electrons (4); an electron multiplier (7) positioned within the enclosure (3) so as to receive electrons (6) from the source of electrons (4) and to emit multiple electrons (9) for each electron (6) received; a plurality of pairs of electrodes (12, 14), each pair comprising a first electrode (12) on the inner surface of the wall and a second electrode (14) on the outer surface of the wall adjacent to the first electrode (12) and separated from the first electrode by the wall.

IPC 8 full level
H01J 43/06 (2006.01); **H01J 43/28** (2006.01)

CPC (source: EP)
H01J 43/06 (2013.01); **H01J 43/28** (2013.01)

Citation (applicant)
US 5686721 A 19971111 - SCHMIDT-BOCKING HORST [DE]

Cited by
EP3107115A1; GB2539506A; US9934952B2; US10054696B2

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 2634790 A2 20130904; **EP 2634790 A3 20151007**; GB 201203561 D0 20120411

DOCDB simple family (application)
EP 13156927 A 20130227; GB 201203561 A 20120229