

Title (en)

METHOD FOR PRODUCING A GRID-LIKE BEAM COLLIMATOR, GRID-LIKE BEAM COLLIMATOR, RADIATION DETECTOR AND MEDICAL IMAGING DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GITTERARTIGEN STRAHLKOLLIMATORS, GITTERARTIGER STRAHLKOLLIMATOR, STRAHLUNGSDETEKTOR UND MEDIZINISCHE BILDGEBUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN COLLIMATEUR À FAISCEAU EN FORME DE GRILLE, COLLIMATEUR À FAISCEAU EN FORME DE GRILLE, DÉTECTEUR DE RAYONNEMENT ET DISPOSITIF D'IMAGERIE MÉDICALE

Publication

EP 3584804 A1 20191225 (EN)

Application

EP 18178851 A 20180620

Priority

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Abstract (en)

Method for producing a grid-like beam collimator (1) by printing, wherein a metal particles (5) containing suspension is printed in several stacked layers, whereby the used suspension additionally comprises bonding particles (6) made of or comprising a bonding material (8) with a melting temperature lower than the softening temperature of the metal particles (5), and that energy is introduced into the printed layer stack so that the melted bonding material (8) bonds the metal particles (5), whereupon the melted bonding material is cured for fixing the layer stack.

IPC 8 full level

G21K 1/02 (2006.01)

CPC (source: EP)

G21K 1/025 (2013.01)

Citation (applicant)

DE 102012206546 A1 20131024 - SIEMENS AG [DE]

Citation (search report)

- [I] US 2014286813 A1 20140925 - GUO RUI [CN], et al
- [XI] US 2010276829 A1 20101104 - YANG GUOHUA [US], et al
- [A] DE 102012206546 A1 20131024 - SIEMENS AG [DE]
- [A] DE 102016216859 A1 20180308 - SIEMENS AG [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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