

Title (en)

APPARATUS FOR THE PRODUCTION OF A DIRECTIONAL LAYER BY MEANS OF CATHODE SPUTTERING AND USE OF SAME

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINER GERICHTETEN SCHICHT MITTELS KATHODENZERSTÄUBUNG UND VERWENDUNG DERSELBEN

Title (fr)

DISPOSITIF DE PRODUCTION D'UNE COUCHE ORIENTÉE PAR PULVÉRISATION CATHODIQUE ET SON UTILISATION

Publication

EP 2106457 A1 20091007 (DE)

Application

EP 07845644 A 20071224

Priority

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- US 88308607 P 20070102

Abstract (en)

[origin: WO2008080244A1] For producing a directional layer with, for example, a constant, labeled direction, such as a soft magnetic layer with a preferred direction of magnetization or a backing layer for such a one by means of cathode sputtering on a substrate surface (4), the coating is produced in such a way that particles originating from a target surface (6) are incident predominantly from directions for which the projection onto the substrate surface (4) lies in a preferred angular sector surrounding the labeled direction. This is achieved, for example, by an arrangement of a collimator (8) with plates (9) which are perpendicular to the substrate surface (4) and parallel to the labeled direction, in front of the substrate surface (4). However, instead of the preceding or in addition thereto, the position or movement of the substrate surface (4) with respect to the target surface (6) can also be adjusted or controlled appropriately.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2008080244A1

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