

Title (en)

RADIATION ATTENUATING MATERIAL AND METHOD FOR PRODUCING THE SAME

Title (de)

STRAHLUNGSDÄMPFENDES MATERIAL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

MATERIAU RADIOATTENUATEUR, ET PROCEDE POUR L'OBTENTION D'UN TEL MATERIAU

Publication

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Application

**EP 08826609 A 20080711**

Priority

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- FR 0705082 A 20070713

Abstract (en)

[origin: WO2009013426A2] The invention relates to a transparent material which attenuates electromagnetic radiation and/or directly or indirectly ionising particles, of particular use for the production of transparent sheets which serve as protective screens for an operator against said electromagnetic radiation and/or particles. Said transparent attenuating material is made of a matrix of an organic glass in which at least one metal radiation-attenuating compound is dispersed (advantageously other than lead) in the form of nanoparticles, advantageously in the "core-shell" form. The metals of the nanoparticle metal compounds form at least 25 % of the mass of the material.

IPC 8 full level

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