

Title (en)

USE OF A MIXTURE ON THE BASIS OF ERBIUM AND PRASEODYM AS A RADIATION ATTENUATING COMPOSITION, RADIATION ATTENUATING MATERIAL AND PROTECTION DEVICE AGAINST IONISATING RADIATION CONTAINING SUCH COMPOSITION

Title (de)

VERWENDUNG EINER MISCHUNG AUS ERBIUM UND PRASEODYM ALS STRAHLENSCHUTZ-ZUSAMMENSETZUNG, STRAHLENSCHUTZMATERIAL UND SCHUTZKLEIDUNG GEGEN IONISIERENDE STRAHLUNG DIE JENE ZUSAMMENSETZUNG ENTHÄLT

Title (fr)

UTILISATION D'UN MÉLANGE À BASE D'ERBIUM ET DE PRASÉODYME COMME COMPOSITION RADIO-ATTÉNUATRICE, MATÉRIAU RADIO-ATTÉNUATEUR ET ARTICLE DE PROTECTION CONTRE LES RAYONNEMENTS IONISANTS COMPRENANT UNE TELLE COMPOSITION

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Application

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Abstract (en)

[origin: WO2013098382A1] The invention relates to the use of a mixture comprising erbium and praseodymium as a radiation attenuating composition, i.e. as a composition that can attenuate ionising radiation, in particular X- and gamma-type electromagnetic radiation. The invention also relates to a radiation attenuating material comprising an erbium- and praseodymium-based composition, as well as a protective article which provides group or individual protection against ionising radiation and comprises said material. The invention is suitable for use in nuclear medicine (scintigraphy, radiotherapy, etc.) radiology, medical imaging, the nuclear industry, etc.

IPC 8 full level

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