

Title (en)

NEUTRON SHIELDING MATERIAL FOR MAINTAINING SUB-CRITICALITY BASED ON UNSATURATED POLYMER

Title (de)

MATERIAL ZUR NEUTRONENABSCHIRMUNG UND ZUR AUFRECHTERHALTUNG DER UNTERKRITIKALITÄT MIT UNGESÄTTIGTEM POLYESTER ALS AUSGANGSMATERIAL

Title (fr)

MATERIAU DE BLINDAGE NEUTRONIQUE ET DE MAINTIEN DE LA SOUS-CRITICITE A BASE DE POLYESTER INSATURE

Publication

**EP 1446808 B1 20090325 (FR)**

Application

**EP 02785511 A 20020927**

Priority

- FR 0203307 W 20020927
- FR 0112592 A 20011001

Abstract (en)

[origin: WO03030183A2] The invention concerns a neutron shielding material for maintaining sub-criticality based on unsaturated polymer: Said material comprises an unsaturated polyester resin, at least an inorganic boron compound, and at least a hydrogenated inorganic compound, in amounts such that the boron concentration is 4.1021 to 25.1021 atoms per cm<sup>3</sup> and the hydrogen concentration is 3.1022 to 5.5.1022 atoms per cm<sup>3</sup>.

IPC 8 full level

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CPC (source: EP KR US)

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DOCDB simple family (publication)

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