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(54) Title (EN): DISPOSAL CONTAINER FOR SPENT NUCLEAR FUEL

(54) Title (FR): CONTENEUR D'ÉLIMINATION DE COMBUSTIBLE NUCLÉAIRE IRRADIÉ

(54) Title (KO): 사용후핵연료의 처분용기

(57) Abstract:

(EN): The present invention provides a disposal container for spent nuclear fuel. The disposal container includes: a metal container (11) in which spent nuclear fuel can be loaded; a ceramic member (20) disposed on the outer surface of the metal container (11); and a polymer member (30) disposed on the outer surface of the ceramic member (20). The present invention provides a disposal container for spent nuclear fuel, which has excellent corrosion resistance and durability, and excellent adhesion between dissimilar materials of metal, ceramic, and polymer, and can improve ease of handling and workability of the container.

(FR): La présente invention concerne un conteneur d'élimination de combustible nucléaire irradié. Le conteneur d'élimination comprend : un conteneur métallique (11) dans lequel un combustible nucléaire irradié peut être chargé ; un élément céramique (20) disposé sur la surface externe du conteneur métallique (11) ; et un élément polymère (30) disposé sur la surface externe de l'élément céramique (20). La présente invention concerne un conteneur d'élimination de combustible nucléaire irradié, qui présente d'excellentes propriétés de résistance à la corrosion, de durabilité, et d'adhérence entre différents types de matériaux tels que le métal, la céramique et le polymère, et qui peut faciliter la manipulation et l'utilisation du conteneur.

(KO): 본 발명은 사용후핵연료를 장입 가능한 금속용기(11); 상기 금속용기(11)의 외부 표면에 형성되는 세라믹부재(20); 및 상기 세라믹 부재(20)의 외부 표면에 형성되는 폴리머부재(30)를 포함하는 사용후핵연료의 처분용기를 제공한

다. 본 발명은 내부식성 및 내구성이 우수하고, 금속, 세라믹 및 폴리머의 이종재료 간의 접착성이 우수하며, 용기의 취급 및 작업 용이성을 증대시킬 수 있는 사용후핵연료의 처분용기를 제공하는 발명의 효과를 가진다.

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