

Title (en)

The system of storage boreholes for storage of a spent nuclear fuel and a method of the storage of the spent nuclear fuel

Title (de)

System für Lagerbohrlöcher zur Lagerung eines verbrauchten Kernbrennstoffes und Verfahren zur Lagerung des verbrauchten Kernbrennstoffes

Title (fr)

Système de forage de stockage pour le stockage d'un combustible nucléaire épuisé et procédé de stockage de combustible nucléaire utilisé

Publication

EP 2555203 A1 20130206 (EN)

Application

EP 12466016 A 20120803

Priority

CZ 2011475 A 20110804

Abstract (en)

The system of storage boreholes for storage of the spent nuclear fuel consists of at least one horizontal corridor (3), from which starts at least one storage system consisting of a guide characterization borehole (1) and an angling storage borehole (2) made in its centre line, in which is placed at least one storage container (6). The system of storage boreholes may include an access mine working, which is the handling gallery (10). The method of storage the spent nuclear fuel into the system of storage boreholes is characterized by placing into the angling storage borehole (2), by means of a handling mechanism (4), at least one storage container (6). Between each adjacent storage container there will be placed at least one distance block (7).

IPC 8 full level

G21F 9/24 (2006.01); **G21F 9/34** (2006.01); **G21F 9/36** (2006.01)

CPC (source: EP)

G21F 9/24 (2013.01); **G21F 9/34** (2013.01); **G21F 9/36** (2013.01)

Citation (search report)

- [X] US 5863283 A 19990126 - GARDES ROBERT [US]
- [XY] US 6238138 B1 20010529 - CRICLOW HENRY [US]
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Citation (third parties)

Third party :

"RD&D PROGRAMME 2010 TR-10-63", SVENSK KÄRNBRÄNSLEHANTERING AB, September 2010 (2010-09-01), pages 1-2,187 - 192, XP055174756, Retrieved from the Internet <URL:HTTP://WWW.SKB.SE/UPLOAD/PUBLICATIONS/PDF/TR-10-63.PDF>

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RU2649656C1; WO2022099051A1; US10692618B2; US11158434B2; US10943706B2; US11289230B2; US11842822B2; US10878972B2; US11488736B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 12466016 A 20120803; CZ 2011475 A 20110804; ES 12466016 T 20120803; HU E12466016 A 20120803