

Title (en)

ULTIMATE WASTE DISPOSAL SITE FOR RADIOACTIVE MATERIAL AND PROCESS FOR ITS REALISATION

Title (de)

ENDLAGER FÜR DIE LAGERUNG VON RADIOAKTIVEM MATERIAL, SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

DEPOT DE STOCKAGE ULTIME POUR MATÉRIAUX RADIOACTIF ET PROCÉDÉ DE SON RÉALISATION

Publication

EP 3345190 A1 20180711 (DE)

Application

EP 16722620 A 20160506

Priority

- DE 102015208492 A 20150507
- EP 2016060170 W 20160506

Abstract (en)

[origin: WO2016177876A1] The invention relates to a repository (1) for storing radioactive material in a rock formation, wherein there are at least two hollow chamber systems (4, 6) which are spaced apart from each other, and wherein a first hollow chamber system (4) forms a repository chamber (10) for the radioactive material in containers (20) and the second hollow chamber system (6) forms an access system (12), wherein the rock formation is a mountain massif (2), in which the first and second hollow chamber systems (4, 6) are connected to each other via connection passages (14) at a plurality of transition points, wherein the first hollow chamber system (4) forms a repository chamber (10) in which the containers (20) are free-standing and are accessible and removable, even when the repository chamber (10) is completely full, and the second hollow chamber system (6) forms an access system (12) enabling permanent access and being at a distance from the repository chamber (10) such that the access system (12) forms a radiation-free region for access to the repository chamber (10) at different locations of the first hollow chamber system (4).

IPC 8 full level

G21F 9/24 (2006.01); **B09B 1/00** (2006.01); **E21D 13/00** (2006.01); **G21F 9/34** (2006.01); **G21F 9/36** (2006.01)

CPC (source: EP KR US)

G21F 9/24 (2013.01 - EP KR US); **G21F 9/34** (2013.01 - EP KR US); **G21F 9/36** (2013.01 - EP KR US); **B09B 1/008** (2013.01 - US); **E21D 13/00** (2013.01 - US)

Citation (search report)

See references of WO 2016177876A1

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)

WO 2016177876 A1 20161110; CA 3023762 A1 20161110; CN 108028085 A 20180511; DE 102015208492 A1 20161110; EP 3345190 A1 20180711; JP 2018518688 A 20180712; KR 20180044230 A 20180502; RU 2017142622 A 20190607; US 2018182505 A1 20180628

DOCDB simple family (application)

EP 2016060170 W 20160506; CA 3023762 A 20160506; CN 201680040244 A 20160506; DE 102015208492 A 20150507; EP 16722620 A 20160506; JP 2018509990 A 20160506; KR 20177035337 A 20160506; RU 2017142622 A 20160506; US 201715805307 A 20171107