

Title (en)

UNDERGROUND DRILLING RIG AND METHOD FOR ERECTING SAME

Title (de)

UNTERTAGE-BOHRANLAGE UND VERFAHREN ZU DEREN ERRICHTUNG

Title (fr)

INSTALLATION DE FORAGE SOUTERRAINE ET SON PROCÉDÉ DE MISE EN PLACE

Publication

**EP 4013949 B1 20230719 (DE)**

Application

**EP 20757547 A 20200810**

Priority

- DE 102019212152 A 20190813
- EP 2020072381 W 20200810

Abstract (en)

[origin: WO2021028383A1] The invention relates to an underground drilling rig (10) and to a method for erecting same, wherein the method, in one specific embodiment, comprises erecting a mast structure (20) of the drilling rig (10) starting from a horizontal tunnel (production gallery) into a vertical mast shaft (14) and by means of an erecting construction (50), wherein the mast structure (20) comprises a plurality of interconnected or interconnectable mast segments (60).

IPC 8 full level

**E21C 41/24** (2006.01); **E04H 12/34** (2006.01); **E21B 7/00** (2006.01); **E21B 15/00** (2006.01); **E21B 19/02** (2006.01); **E21B 19/08** (2006.01)

CPC (source: EP US)

**E21B 7/00** (2013.01 - EP); **E21B 7/04** (2013.01 - US); **E21B 15/00** (2013.01 - EP US); **E21B 19/02** (2013.01 - EP); **E21B 19/08** (2013.01 - EP); **E21C 41/16** (2013.01 - US); **E21C 41/24** (2013.01 - EP)

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

DOCDB simple family (publication)

**WO 2021028383 A1 20210218**; DE 102019212152 A1 20210218; EP 4013949 A1 20220622; EP 4013949 B1 20230719; US 2022307373 A1 20220929

DOCDB simple family (application)

**EP 2020072381 W 20200810**; DE 102019212152 A 20190813; EP 20757547 A 20200810; US 202017633574 A 20200810