

Title (en)

EXCAVATION DEVICE AND AND EXCAVATION METHOD FOR REMOVING EARTH

Title (de)

TIEFBAUVERRICHTUNG UND TIEFBAUVERFAHREN ZUM ABTRAGEN VON BODEN

Title (fr)

DISPOSITIF DE GÉNIE CIVIL ET PROCÉDÉ DE GÉNIE CIVIL PERMETTANT D'ENLEVER LES SOLS

Publication

EP 3981920 B1 20230816 (DE)

Application

EP 20200521 A 20201007

Priority

EP 20200521 A 20201007

Abstract (en)

[origin: WO2022073736A1] The invention relates to a soil-removing civil engineering apparatus which is formed from a plurality of apparatus modules and comprises a removal device composed of at least two apparatus modules, and a support structure for suspending and moving the removal device in a vertical direction in order to make a hole in the ground, wherein a personnel passage is provided in and/or on at least two apparatus modules which allows a person to move horizontally along the at least two apparatus modules.

IPC 8 full level

E02D 17/13 (2006.01); **E02F 3/20** (2006.01); **E02F 3/47** (2006.01); **E21B 7/12** (2006.01)

CPC (source: EP KR)

E02D 17/13 (2013.01 - EP KR); **E02F 3/205** (2013.01 - EP KR); **E02F 3/475** (2013.01 - EP KR); **E02F 3/962** (2013.01 - EP KR)

Cited by

EP4357586A1; WO2024083521A1

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)

EP 3981920 A1 20220413; **EP 3981920 B1 20230816**; **EP 3981920 C0 20230816**; CN 116348643 A 20230627; JP 2023544796 A 20231025; KR 20230058524 A 20230503; WO 2022073736 A1 20220414

DOCDB simple family (application)

EP 20200521 A 20201007; CN 202180068726 A 20210915; EP 2021075311 W 20210915; JP 2023521294 A 20210915; KR 20237011477 A 20210915