

Title (en)

LIFT ASSEMBLY AND ASSEMBLING/DISMANTLING AND DOCKING METHOD

Title (de)

AUFZUGSANLAGE UND MONTAGE-/DEMISSIVATIONS- UND ANDOCKVERFAHREN

Title (fr)

ENSEMBLE ELEVATEUR ET PROCEDE DE MONTAGE/DEMONTAGE ET ACCOSTAGE

Publication

EP 4149874 A1 20230322 (FR)

Application

EP 21732455 A 20210512

Priority

- FR 2004757 A 20200514
- FR 2021050840 W 20210512

Abstract (en)

[origin: CA3178638A1] The present invention relates to a rack-and-pinion lift assembly comprising a mast (2) and a lift. The lift assembly (100) is designed to enable reverse, self-contained assembly of the mast on a shaft and/or a gallery during excavation processes. The lift assembly descends along a suspended mast to a lower end (21) of the mast to convey mast sections to be assembled below the mast. The mast sections to be assembled are positioned to be individually spliced by means of a movable plate (120) of the lift assembly. The invention also relates to a method for reverse assembling, docking and dismantling the lift assembly.

IPC 8 full level

B66B 9/02 (2006.01); **B66B 9/187** (2006.01); **B66B 19/00** (2006.01)

CPC (source: EP US)

B66B 5/04 (2013.01 - US); **B66B 9/022** (2013.01 - EP US); **B66B 9/187** (2013.01 - EP); **B66B 19/002** (2013.01 - EP US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

FR 3110155 A1 20211119; **FR 3110155 B1 20220415**; AU 2021270372 A1 20221215; CA 3178638 A1 20211118; EP 4149874 A1 20230322; US 2024067502 A1 20240229; WO 2021229193 A1 20211118

DOCDB simple family (application)

FR 2004757 A 20200514; AU 2021270372 A 20210512; CA 3178638 A 20210512; EP 21732455 A 20210512; FR 2021050840 W 20210512; US 202117998542 A 20210512