

Title (en)

TRANSPORT APPARATUS, LINING MACHINE, SYSTEM AND METHOD FOR OPERATING A SYSTEM OF THIS TYPE

Title (de)

TRANSPORTEINRICHTUNG, AUSMAUERMASCHINE, SYSTEM UND VERFAHREN ZUM BETRIEB SOLCH EINES SYSTEMS

Title (fr)

APPAREIL DE TRANSPORT, MACHINE DE REVÊTEMENT, SYSTÈME ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE CE TYPE

Publication

EP 4359574 A1 20240501 (DE)

Application

EP 22734948 A 20220620

Priority

- EP 21181714 A 20210625
- EP 2022066729 W 20220620

Abstract (en)

[origin: WO2022268719A1] The invention relates to a transport apparatus (105), a lining machine (20), a system (10) and a method for operating such a system, the lining machine comprising a base frame (85), a rail group (90), a feed apparatus (95), a lift apparatus (110) and a working platform (100), the rail group (90) being mechanically fastened to the base frame (85) and the rail group (90) having at least one rail arrangement (150). The lift apparatus (110) has a roller carriage (220) and a lift unit (225) located on the roller carriage (220), the roller carriage (220) being provided on the rail arrangement (150) so as to be movable between an installation position and an operating position. The lift unit (225) is connected to the working platform (100) and is designed to lower the working platform (100) into the converter (35) via the converter opening (45), and the feed apparatus (95) has a roller conveyor (215), one end of which ends at the lift apparatus (110).

IPC 8 full level

C21C 5/44 (2006.01); **B66C 17/06** (2006.01); **F27B 5/08** (2006.01); **F27D 1/00** (2006.01); **F27D 1/04** (2006.01); **F27D 1/16** (2006.01)

CPC (source: EP KR US)

C21C 5/441 (2013.01 - EP KR US); **F27B 5/08** (2013.01 - EP KR); **F27D 1/00** (2013.01 - EP); **F27D 1/0003** (2013.01 - US);
F27D 1/045 (2013.01 - EP KR); **F27D 1/1621** (2013.01 - EP KR US); **F27D 2001/0046** (2013.01 - EP KR US); **F27D 2001/0079** (2013.01 - EP KR);
F27D 2201/00 (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)

EP 4108786 A1 20221228; EP 4359574 A1 20240501; KR 20240025630 A 20240227; US 2024209466 A1 20240627;
WO 2022268719 A1 20221229

DOCDB simple family (application)

EP 21181714 A 20210625; EP 2022066729 W 20220620; EP 22734948 A 20220620; KR 20247002414 A 20220620;
US 202218573951 A 20220620