

Title (en)
CONVEYING AND TRANSPORT SYSTEM FOR TUNNEL CONSTRUCTIONS

Title (de)
FÖRDER- UND TRANSPORTSYSTEM FÜR TUNNELBAUWERKE

Title (fr)
SYSTÈME D'ACHEMINEMENT ET DE TRANSPORT DE STRUCTURES DE TUNNEL

Publication
EP 3685016 A1 20200729 (DE)

Application
EP 18734071 A 20180608

Priority
• DE 102017121603 A 20170918
• DE 2018100547 W 20180608

Abstract (en)
[origin: WO2019052594A1] The invention relates to a conveying and transport system for tunnel constructions, having a twin-rail overhead track system which comprises a roof-mounted track (1) consisting of two lines (2, 3) of rails (4) arranged parallel alongside one another. The rails (4) are suspended by means of a support structure (5) on the roof ridge (F) of the tunnel construction. Carriages (7; 7a - 7d) are conveyed on the rail lines (2, 3) by means of bogies (6). According to the invention, at least some of the carriages (7, 7a - 7d) are equipped with lifting gear (29). Furthermore, a number of carriages (7, 7a) have a gripping device (35) in the form of segment grabs.

IPC 8 full level
B61B 3/00 (2006.01); **E01B 25/24** (2006.01); **E01B 25/26** (2006.01); **E21D 11/40** (2006.01); **E21F 13/02** (2006.01)

CPC (source: EP)
B61B 3/02 (2013.01); **E01B 25/24** (2013.01); **E01B 25/26** (2013.01); **E21D 11/40** (2013.01); **E21F 13/02** (2013.01)

Citation (search report)
See references of WO 2019052594A1

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 2019052594 A1 20190321; CN 111133172 A 20200508; DE 102017121603 A1 20190321; EP 3685016 A1 20200729; EP 3685016 B1 20210224

DOCDB simple family (application)
DE 2018100547 W 20180608; CN 201880060162 A 20180608; DE 102017121603 A 20170918; EP 18734071 A 20180608