

Title (en)

A TUNNELING MACHINERY AND A METHOD OF PROVIDING A CONCRETE TUNNEL BASE

Title (de)

TUNNELVORTRIEBSMASCHINEN UND VERFAHREN ZUR BEREITSTELLUNG EINER BETON- UND TUNNELBASIS

Title (fr)

MACHINE À EFFET TUNNEL ET PROCÉDÉ D'OBTENTION D'UNE BASE DE TUNNEL EN BÉTON

Publication

EP 3112585 A1 20170104 (EN)

Application

EP 15174809 A 20150701

Priority

EP 15174809 A 20150701

Abstract (en)

A device for pouring concrete in a bottom section of a tunnel enclosed in a tunnel lining, comprising a pouring platform , a concrete receiving and pumping platform (18), a plurality of trailers (40) arranged in a row between said placing platform and said concrete receiving and pumping platform (18). Each trailer (40) comprises a support (46) for a concrete pipeline (22) extending from the concrete receiving, pumping platform (18) to the pouring platform, wherein said concrete receiving and pumping platform (18), said trailers (40) and said placing platform are connected to each other to form a train (10) and are supported by wheels engaging said tunnel lining. Propelling means are arranged to propel said train with said placing platform leading.

IPC 8 full level

E21D 11/00 (2006.01); **E21D 11/10** (2006.01)

CPC (source: EP)

E21D 11/105 (2013.01)

Citation (search report)

- [I] JP 2014080809 A 20140508 - KAJIMA CORP, et al
- [A] JP 2009127230 A 20090611 - OKUMURA CORP
- [A] US 4706317 A 19871117 - HORSTKETTER EUGENE A [US]
- [A] US 2429045 A 19471014 - BELLOWS KENNETH C

Cited by

CN109826653A; CN110593893A; CN108772230A; CN114857354A; CN110219658A; JP2018155020A; CN111746582A

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)

EP 3112585 A1 20170104; EP 3112585 B1 20190227

DOCDB simple family (application)

EP 15174809 A 20150701