

Title (en)
Device for the transfer of loads during tunnel construction

Title (de)
Vorrichtung zum Befördern von Ladung beim Tunnelvortrieb

Title (fr)
Dispositif de transport d'une charge lors du creusement d'un tunnel

Publication
EP 2728112 A3 20170222 (DE)

Application
EP 13187734 A 20131008

Priority
DE 102012219815 A 20121030

Abstract (en)
[origin: EP2728112A2] The device i.e. self-propelled transport wagon (2), has landing gear segments (7) spaced apart in a track pitch, and connected with a support frame (3). The support frame is movable by the landing gear segments. Angle guide parts (5) and side supports (6) are provided between the support frame and the landing gear segments. The support frame is positionable in two height positions, and the landing gear segments are positionable in two track pitches by the angle guide parts and the side supports such that devices nested into each other and driving along a common middle track pass.

IPC 8 full level
E21D 11/40 (2006.01); **E21F 13/00** (2006.01)

CPC (source: EP)
E21D 11/40 (2013.01); **E21F 13/006** (2013.01)

Citation (search report)

- [XYI] DE 102007026991 A1 20080214 - SKUMTECH AS [NO]
- [Y] JP H09272433 A 19971021 - KAJIMA CORP, et al
- [Y] GB 120269 A 19181106 - LINDLEY WALTER
- [X] DE 1945611 A1 19700618 - MECANA S A
- [A] CH 685832 A5 19951013 - PAUL VOGT
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Cited by
CN111483920A

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 2728112 A2 20140507; EP 2728112 A3 20170222; EP 2728112 B1 20181128; DE 102012219815 A1 20140612; ES 2710248 T3 20190423

DOCDB simple family (application)
EP 13187734 A 20131008; DE 102012219815 A 20121030; ES 13187734 T 20131008