

Title (en)

METHOD AND DEVICE FOR POSITIONING A TRAIN

Title (de)

VERFAHREN UND VORRICHTUNG ZUM POSITIONIEREN EINES ZUGES

Title (fr)

PROCEDE ET DISPOSITIF POUR LE POSITIONNEMENT D'UN TRAIN

Publication

EP 1121286 A1 20010808 (DE)

Application

EP 99934641 A 19990708

Priority

- DE 19849023 A 19981023
- EP 9904825 W 19990708

Abstract (en)

[origin: DE19849023A1] One end of the train is pre-positioned and a stop device(10) activated. The train is then moved through the application of a pulling force until the stop device interacts with a fixed counter-stop(20), and is then elastically lengthened by spring loading forces. Another stop(10') is activated at the other end of the train, the pulling force decreased, and the train moved back under the influence of spring forces against the direction of extension until the additional stop interacts with an additional fixed counter-stop(20') while maintaining an elastic tensioning. An Independent claim is included for the stop devices to enable the proposed procedure to be carried out.

IPC 1-7

B61J 3/08; **B61D 47/00**

IPC 8 full level

B61D 47/00 (2006.01); **B61J 3/08** (2006.01); **B61K 7/18** (2006.01)

CPC (source: EP KR US)

B61D 47/00 (2013.01 - EP US); **B61J 3/08** (2013.01 - EP US); **B61K 7/00** (2013.01 - KR)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6508180 B1 20030121; AU 5034599 A 20000515; AU 762308 B2 20030619; BR 9914745 A 20010731; CA 2346901 A1 20000504; CN 1123470 C 20031008; CN 1324313 A 20011128; CZ 20011425 A3 20020417; CZ 293450 B6 20040414; DE 19849023 A1 20000427; EA 003542 B1 20030626; EA 200100460 A1 20011022; EE 04333 B1 20040816; EE 200100229 A 20020617; EP 1121286 A1 20010808; HU 223290 B1 20040528; HU P0104118 A2 20020328; HU P0104118 A3 20020429; JP 2002528330 A 20020903; KR 20010089327 A 20010929; MX PA01003957 A 20030310; NO 20011970 D0 20010420; NO 20011970 L 20010420; PL 347366 A1 20020408; SK 5272001 A3 20020604; TR 200101116 T2 20010921; WO 0024627 A1 20000504

DOCDB simple family (application)

US 80743701 A 20010717; AU 5034599 A 19990708; BR 9914745 A 19990708; CA 2346901 A 19990708; CN 99812525 A 19990708; CZ 20011425 A 19990708; DE 19849023 A 19981023; EA 200100460 A 19990708; EE P200100229 A 19990708; EP 9904825 W 19990708; EP 99934641 A 19990708; HU P0104118 A 19990708; JP 2000578206 A 19990708; KR 20017005005 A 20010420; MX PA01003957 A 19990708; NO 20011970 A 20010420; PL 34736699 A 19990708; SK 5272001 A 19990708; TR 200101116 T 19990708