

Title (en)  
Lifting device

Title (de)  
Hebevorrichtung

Title (fr)  
Dispositif de levage

Publication  
**EP 1564331 A3 20050824 (DE)**

Application  
**EP 05010127 A 20000316**

Priority  

- DE 19927943 A 19990618
- DE 19929873 A 19990630
- DE 19928583 A 19990622
- DE 19912421 A 19990319
- DE 10000227 A 20000105
- EP 00105577 A 20000316

Abstract (en)  
[origin: EP1039033A1] The method for preparing a permanent way comprises producing a running section consisting of two rails (4, 5) with sleepers (1) between them. Rods (18) are then inserted into the concrete bearing layer (10) beneath. The height and width of the running section is then adjusted and the sleepers supported. The running section is then fixed to the rods to prevent lateral shifting. The upper bearing layer (9) is then poured and a revetment (20) added. An Independent claim is included for a system for adjusting the running section of a permanent way.

IPC 1-7  
**E01B 29/04**

IPC 8 full level  
**E01B 1/00** (2006.01); **E01B 29/00** (2006.01); **E01B 29/02** (2006.01); **E01B 29/04** (2006.01)

CPC (source: EP)  
**E01B 1/004** (2013.01); **E01B 29/005** (2013.01); **E01B 29/02** (2013.01); **E01B 29/04** (2013.01); **E01B 2204/04** (2013.01); **E01B 2204/06** (2013.01); **E01B 2204/13** (2013.01)

Citation (search report)  

- [X] DE 3042725 A1 19820616 - ZUEBLIN AG [DE]
- [X] EP 0379148 A2 19900725 - HEILIT & WOERNER BAU AG [DE]
- [A] DE 19516163 C1 19960829 - HOCHTIEF AG HOCH TIEFBAUTEN [DE]
- [X] DE 2830137 A1 19800117 - ZUEBLIN AG
- [X] DE 3840795 A1 19900607 - ZUEBLIN AG [DE]

Cited by  
EP1882777A1; CN111364300A; CN102582785A

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)  
**EP 1039033 A1 20000927**; **EP 1039033 B1 20060531**; AT E328155 T1 20060615; AT E417961 T1 20090115; DE 10000227 A1 20001019; DE 50012838 D1 20060706; DE 50015494 D1 20090129; EP 1564331 A2 20050817; EP 1564331 A3 20050824; EP 1564331 B1 20081217; ES 2261112 T3 20061116; ES 2319435 T3 20090507; PT 1039033 E 20060929

DOCDB simple family (application)  
**EP 00105577 A 20000316**; AT 00105577 T 20000316; AT 05010127 T 20000316; DE 10000227 A 20000105; DE 50012838 T 20000316; DE 50015494 T 20000316; EP 05010127 A 20000316; ES 00105577 T 20000316; ES 05010127 T 20000316; PT 00105577 T 20000316