

Title (en)  
Device for lifting and aligning rails

Title (de)  
Vorrichtung zum Heben und Richten von Gleisen

Title (fr)  
Dispositif de levage et d'alignement de rails

Publication  
**EP 2206831 A3 20120328 (DE)**

Application  
**EP 10000256 A 20100113**

Priority  
• DE 102009004412 A 20090113  
• CH 17462009 A 20091113

Abstract (en)  
[origin: EP2206831A2] The device has a cross beam (1) for simultaneously clamping two rails (2) of a to-be aligned track from underneath. The cross beam is designed as a single piece and arranged in such a manner that the cross beam is removable from the to-be aligned track. The cross beam is tapered at ends. The cross beam is formed by a support element of a partially enclosed U-shaped profile or a rectangular profile. The cross beam includes a spindle (11) for height adjustment of the to-be-aligned track. The spindle is guided by a hollow screw with an inner thread and an outer thread.

IPC 8 full level  
**E01B 29/04** (2006.01)

CPC (source: EP)  
**E01B 29/04** (2013.01); **E01B 2204/06** (2013.01)

Citation (search report)  
• [XA] DE 10029315 A1 20010301 - GSG KNAPE GLEISSANIERUNG GMBH [DE]  
• [XA] DE 4430769 A1 19960314 - DYCKERHOFF & WIDMANN AG [DE]  
• [XA] FR 1319367 A 19630301  
• [A] DE 10246898 A1 20040422 - ZUEBLIN AG [DE]  
• [A] EP 1568821 A2 20050831 - SEOUL METROPOLITAN SUBWAY CORP [KR]  
• [A] WO 0044987 A1 20000803 - BAHNBAU WELS GMBH [AT], et al

Cited by  
CN103243621A; CN103321111A; DE202019102034U1; EP2397608A3; CN108500487A; EP3722503A1; EP3722503B1

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2206831 A2 20100714; EP 2206831 A3 20120328; EP 2206831 B1 20141105**

DOCDB simple family (application)  
**EP 10000256 A 20100113**