

Title (en)  
Rail grinding machine.

Title (de)  
Schienenschleifmaschine.

Title (fr)  
Machine de meulage de rails.

Publication  
**EP 0344390 A1 19891206 (FR)**

Application  
**EP 88810348 A 19880530**

Priority  
EP 88810348 A 19880530

Abstract (en)  
The trolley comprises a frame (10) having two end axles (10A, 10B) between which is a Bissel bogie (10C, 16) whose chassis (16) is articulated to one of these end axles (10A), together with a guide bar (18) articulated between the axle (10C) of the Bissel bogie and the other end axle (10B). At least one wheel (C) of the Bissel bogie functions as a rail sensor. Grinding heads (T1, T2; T5, T6) are articulated via connecting rods (S1, S2; S5, S6) to this chassis (16) and to this guide bar (18) and are thus guided independently of the positions of the end axles, in a manner such that the point of contact of each grinder (M1, M2; M5, M6) follows the rails independently of the curves, thus compensating for the flexions at these points. <??>The trolley may have a plurality of successive Bissel bogies articulated to each other, each guiding grinding heads, or a system of levers for the indirect guidance of the grinding heads, this system being controlled by a measuring Bissel bogie. To compensate for the variation in the rails, telescopic Bissel bogies may be provided. <IMAGE>

IPC 1-7  
**E01B 31/17**

IPC 8 full level  
**E01B 31/17** (2006.01)

CPC (source: EP US)  
**E01B 31/17** (2013.01 - EP US)

Citation (search report)  
• [A] GB 2014067 A 19790822 - PLASSER BAHNBAUMASCH FRANZ  
• [A] US 4583327 A 19860422 - JAEGLI HANS P [CH]  
• [A] DE 2612174 B2 19810611  
• [AD] DE 2843649 C2 19830505

Cited by  
EP2390415A1; US6033291A; US5265379A; EP3779045A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0344390 A1 19891206; EP 0344390 B1 19920226**; AT E72851 T1 19920315; AU 3504989 A 19891130; AU 612842 B2 19910718; CA 1320051 C 19930713; DD 283850 A5 19901024; DE 3868631 D1 19920402; JP H02147705 A 19900606; US 4951424 A 19900828

DOCDB simple family (application)  
**EP 88810348 A 19880530**; AT 88810348 T 19880530; AU 3504989 A 19890522; CA 600154 A 19890518; DD 32900189 A 19890529; DE 3868631 T 19880530; JP 13166289 A 19890526; US 35213389 A 19890515