

Title (en)  
DEVICE FOR CONTINUOUSLY REPROFILING THE HEAD OF AT LEAST ONE RAIL

Publication  
**EP 0145919 B1 19870610 (FR)**

Application  
**EP 84113253 A 19841103**

Priority  
CH 615283 A 19831116

Abstract (en)  
[origin: US4596092A] The device for reprofiling the head of at least one rail comprises a support (1, 2, 12, 13, 9) carrying at least one grinding unit (3, 4, 6, 7) pivotally mounted about an axis (8) extending parallel to the longitudinal axis of the rail (11). This grinding unit has a grinding wheel (3) driven in rotation by a motor (4) and structure (7) for displacing axially the grinding unit (3) to apply it against a side line of the head of the rail (11) and thus compensate its wearing off. It comprises structure (9, 10, 19, 20, 21) for displacing the axis of pivoting (8) of the grinding unit (3, 4, 6, 7) parallel to itself, in a direction transverse to the longitudinal axis of the rail (11). Servo-mechanism is provided to make dependent on each other the pivoting of the grinding unit (3, 4, 6, 7) and the displacement of its axis of pivoting (8).

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

IPC 8 full level  
**B24B 27/00** (2006.01); **E01B 31/17** (2006.01)

CPC (source: EP US)  
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Cited by  
US4920701A; US6033291A; US5265379A

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

DOCDB simple family (publication)  
**EP 0145919 A1 19850626; EP 0145919 B1 19870610**; AT E27718 T1 19870615; AU 3547384 A 19850523; AU 565022 B2 19870903; CA 1227930 A 19871013; CH 666068 A5 19880630; DE 145919 T1 19850926; DE 3464145 D1 19870716; JP H0414202 B2 19920312; JP S60119801 A 19850627; US 4596092 A 19860624; ZA 848906 B 19850731

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