

Title (en)  
RAIL GRINDING MACHINE

Publication  
**EP 0444242 B1 19930203 (DE)**

Application  
**EP 90120502 A 19901025**

Priority  
CH 26090 A 19900126

Abstract (en)  
[origin: EP0444242A1] A rail-grinding machine (100) is proposed which comprises a first grinding device (50), with a first grinding belt (52) orientated essentially in the longitudinal direction of the rail and intended for removing corrugation and groove hollows on the rail running surface (2), and in addition a second grinding device (75) with a second grinding belt (87) which is orientated approximately transversely to the longitudinal direction of the rail and by means of which radii provided at the transition of the rail running surface (2) to the side or inner flank are ground. In the case of the first grinding device (50), which can be set in a manner known per se in an oblique position with regard to the longitudinal direction of the rail, the deflection of the grinding belt (52) is achieved via a pressure device (55) which, on the side facing the rail running surface (2), comprises at least two pressure rollers arranged at a distance from one another, a deflection roller and a drive belt winding around the pressure rollers and the deflection roller. In the case of the second grinding device (75), the grinding belt (87) is brought into engagement with the rounded portion to be ground of the rail (1') essentially by means of a deflection device (95) arranged on a support plate (77). The deflection device (95) is supported by an appropriately allocated and designed centring device (110) for obtaining exact guidance on the rail running surface (2) and on a corresponding flank of the rail (1'). <IMAGE>

IPC 1-7  
**B24B 21/08; E01B 31/17**

IPC 8 full level  
**B24B 21/08** (2006.01); **E01B 31/17** (2006.01)

CPC (source: EP)  
**B24B 21/08** (2013.01); **E01B 31/175** (2013.01)

Cited by  
CN108532387A; CN106223145A; EP0576891A1; CN106223146A; FR2766217A1; CN107486779A; US5997391A; AU725345B2; CN106758599A; EP0624689A3; CN105178122A; CN112809527A; JP2006224286A; CN104562876A; CN106758596A; CN107471043A; CN117211120A; WO2007031066A1; WO2014040095A3; US7614935B2; EP1918458A1; WO2022135814A2

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