

Title (en)  
CONTROL DEVICE FOR A RAILWAY TRACK CONSTRUCTION OR MAINTENANCE MACHINE

Publication  
**EP 0090098 B1 19851227 (FR)**

Application  
**EP 82200403 A 19820331**

Priority  
EP 82200403 A 19820331

Abstract (en)  
[origin: ES8400164A1] This device for controlling a railroad track making or repairing machine comprises on the one hand a single laser emitter mounted on a skip standing on the track or the lay-out ahead of the machine, notably a tamping, levelling and lining machine, emits a first fan-shaped or sweeping beam in a horizontal plane and a second fan-shaped or sweeping beam in a vertical plane, and on the other hand two laser receivers mounted on the machine and adapted to adjust themselves automatically as a function of the impact line of one or the other of said laser beams at positions corresponding to the desired positions of the working members of the machine, the laser emitter being mounted on a support permitting its rotation about its track-parallel axis between two end positions spaced 90 degrees apart, these angular positions corresponding the one to the beam in the horizontal plane for levelling operations and the other to the beam in the vertical plane for shifting operations. In a modified version the laser emitter is fixedly mounted and it is only the optical system generating the fan-shaped or sweeping beam that is rotated through 90 degrees by means of a motor.

IPC 1-7  
**E01B 27/17**; **E01B 35/06**

IPC 8 full level  
**E01B 27/17** (2006.01); **E01B 35/00** (2006.01)

CPC (source: EP US)  
**E01B 27/17** (2013.01 - EP US); **E01B 35/00** (2013.01 - EP US); **E01B 2203/16** (2013.01 - EP US)

Cited by  
EP0207197A1; EP0293015A1; GB2263426A; GB2263426B; WO9202334A1

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AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)  
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**EP 82200403 A 19820331**; AT 82200403 T 19820331; CA 410959 A 19820908; DD 24632282 A 19821221; DE 3268084 T 19820331; ES 514173 A 19820720; US 41480582 A 19820903