

Title (en)
RACK RAILWAY TOY

Publication
EP 0254679 B1 19901205 (DE)

Application
EP 87810393 A 19870713

Priority
CH 290186 A 19860721

Abstract (en)
[origin: US4861306A] A toy cog wheel railway is provided having a track with smooth driving faces and a center cogging member with two opposed vertically extending racks thereon. The associated train has an engine with a driven chassis and further cars with undriven running chassis. The chassis contain wheels with smooth faces to run on the driving faces of the track. The undersides of the chassis are provided with opposed guide members that contact the opposed sides of the cogging member. The driven chassis is provided with a motor whose drive axis is vertical with respect to the driving faces of the track and is offset with respect to the center line between the guide members so that a cogwheel attached to the drive axle engages only one of the racks. The chassis are further provided with coupling arm including a yoke having two deflected arms which are pivotally mounted to the chassis at a height approximate that of the drive motor cogwheel and the guide members, respectively, and in the longitudinal direction approximate that of a vertical plane containing the center of gravity of the respective chassis.

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IPC 8 full level
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