

Title (en)

Guideway for continuous welded rail and a method of installing rail tracks.

Title (de)

Führungsbahn für kontinuierliche geschweisste Schienen und Verfahren zum Herstellen von Gleisanlagen.

Title (fr)

Voie de guidage pour rails continus soudés et procédé pour installer des voies de rails.

Publication

EP 0021823 A1 19810107 (EN)

Application

EP 80302118 A 19800624

Priority

CA 330925 A 19790626

Abstract (en)

A guideway for railway vehicles and the like having beams or slabs extending between columns or footings comprises a continuous welded steel rail (200, 202) which is fixed directly to the columns or footings (178-190). The rail (200, 202) is prestressed in tension prior to fixing to the columns (178-190), such that the rail remains in tension at all times that the guideway is usable, although thermally induced effects in the rail may lessen the tension in the rail with increasing temperature. As the rail is in tension at all times that the guideway is operable no fasteners are used which would ordinarily transmit thermally induced forces to the beams or slabs. The rails are installed in sections. Adjoining sections of rails are spaced apart a distance "X" and affixed to a column (182, 188) preferably other than at the end of the rail. The minimum distance "X" is the amount the sections of rail would expand under thermally induced effects over the distance between their fixation to the columns or footings. The free portions of the sections of rail are stretched until in contact with each and then fixed to each other and the columns.

IPC 1-7

E01B 1/00; **E01D 19/12**

IPC 8 full level

E01B 2/00 (2006.01); **E01B 29/17** (2006.01); **E01D 19/12** (2006.01); **E01B 1/00** (2006.01)

CPC (source: EP)

E01B 2/003 (2013.01); **E01D 19/12** (2013.01); **E01B 1/002** (2013.01); **E01B 2204/11** (2013.01)

Citation (search report)

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- [A] GB 971345 A 19640930 - METEOR NV BETONFABRIEK

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CN109554969A; CN108220571A; US6490745B1; WO8907171A1; WO0008257A3

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