

Title (en)
Vibration insulating system for railway tracks

Title (de)
Schwingungsdämpfungssystem für Eisenbahngleise

Title (fr)
Système d'isolation vibratoire pour voies ferrées

Publication
EP 1251204 A2 20021023 (FR)

Application
EP 02075894 A 20020305

Priority
BE 200100152 A 20010307

Abstract (en)
The vibration insulation system, comprising an inertia slab (1) carrying the rails (3, 4) and laid on a resilient anti-vibration mat (6), has a series of holes (7) in the mat, at least some of which contain blocks (9) of a resilient material which allow the rigidity of the bed to be adjusted. The vibration insulation system, comprising an inertia slab (1) carrying the rails (3, 4) and laid on a resilient anti-vibration mat (6), has a series of holes (7) in the mat, at least some of which contain blocks (9) of a resilient material which allow the rigidity of the bed to be adjusted. The mat is made from a closed-cell synthetic foam material, while the blocks are of a more rigid material such as rubber and are set in a panel (8) between the slab and the mat. The sides of the slab are covered by damping panels e.g. of wood and cement.

Abstract (fr)
L'invention est relative à procédé d'isolation d'une voie ferrée et un système d'isolation vibratoire pour une voie ferrée sur laquelle un véhicule, en particulier un train, métro ou tram, peut se déplacer, comprenant une dalle d'inertie (10), sur laquelle sont montés des rails (3,4), la dalle d'inertie (10) reposant sur un lit anti-vibratile comprenant un tapis résilient (6), le tapis (6) étant pourvu d'évidements (7) dans au moins certains desquels des plots (9) d'une matière résiliente sont insérés afin de pouvoir régler la raideur du lit anti-vibratile. <IMAGE>

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IPC 8 full level
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CPC (source: EP)
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Cited by
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