

Title (en)

Roadway section including an expansion joint device with an exchangeable cartridge

Title (de)

Fahrbahnabschnitt mit einer Verlängerungsstückvorrichtung mit austauschbarer Patrone

Title (fr)

Section de route comprenant un dispositif de joint d'expansion avec une cartouche interchangeable

Publication

EP 2749696 A1 20140702 (EN)

Application

EP 12199747 A 20121228

Priority

EP 12199747 A 20121228

Abstract (en)

Provided is a roadway section (100) including a concrete substructure (110), an asphaltic concrete top structure (120), and an expansion joint device (122) that includes: - a permanent cradle (210), disposed at a joint end (112) of the roadway section (100) and extending over substantially an entire length thereof, said cradle comprising at least one anchor (214, 216) embedded in the substructure (110) to permanently connect the permanent cradle thereto, and at least one cradle engagement provision (218); - an exchangeable cartridge (230) comprising a cartridge interface portion (232) that is disposed on the permanent cradle (210), and that defines at least one cartridge engagement provision (234); - sacrificial connection means (250) that engage both the at least one cradle engagement provision (218) and the at least one cartridge engagement provision (234) to releasably fixedly connect the exchangeable cartridge (230) to the permanent cradle (210), wherein the sacrificial connection means (250) include at least one sacrificial connection member (252) that is configured to be sacrificed upon disconnection of the exchangeable cartridge from the permanent cradle.

IPC 8 full level

E01D 19/06 (2006.01)

CPC (source: EP)

E01D 19/06 (2013.01)

Citation (search report)

- [X] JP 2003213611 A 20030730 - ARAI MOTONOSUKE, et al
- [A] US 2002138925 A1 20021003 - CHANG MING-HUANG [TW]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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