

Title (en)

A COTTER JOINT OF GUARDRAIL SECTIONS OF A SAFETY TRAFFIC BARRIER AND A SAFETY TRAFFIC BARRIER COMPRISING SUCH A COTTER JOINT

Title (de)

KEILVERBINDUNG VON LEITPLANKENABSCHNITTEN EINER SICHERHEITSVERKEHRSSCHRANKE UND SICHERHEITSVERKEHRSSCHRANKE MIT SOLCH EINER KEILVERBINDUNG

Title (fr)

JOINT À GOUPILLE POUR SECTIONS DE RAIL DE SÉCURITÉ BARRIÈRE DE SÉCURITÉ ROUTIÈRE ET BARRIÈRE DE SÉCURITÉ ROUTIÈRE COMPRENANT UN TEL JOINT À GOUPILLE

Publication

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Application

EP 19167830 A 20190408

Priority

PL 42515718 A 20180409

Abstract (en)

The present invention relates to a cotter joint (1) of guardrail (2) sections (21) of a safety traffic barrier (5) comprising at least one bolt (3) having a transverse through hole (32) of a longitudinal axis (O3) nonparallel relative to the longitudinal axis (O2) of the bolt (3) and a resisting head (31), wherein the bolt (3) extends through mounting openings (223) of the connecting end sections (22) of the guardrail (2) sections (21) which overlap with each other and adjoin with each other by means of internal contact surfaces (221), wherein the mounting openings (223) correspond to each other and substantially coincide with each other, wherein the transverse through hole (32) of the bolt (3) is located at the side of the guardrail (2) sections (21) which overlap with each other, opposite relative to the resisting head (31), and a locking cotter (4) which is disposed in a transverse through hole (32) of the bolt (3) and tightens the guardrail (2) sections (21), which overlap with each other, against the resisting head (31) of the bolt (3). In order to provide an increased strength as well as a simple and cost-effective construction enabling a quick disassembly of such a cotter joint, the bolt (3) has a cross-section substantially corresponding to the cross-section of the mounting opening (223) of the guardrail (2) sections (21), and at least one reinforcing plate (224) is mounted on each external non-contact surface (222) of connecting end sections (22) of the guardrail (2) sections (21) which overlap with each other, wherein the reinforcing plate (224) is provided with at least one through hole (225) substantially coincided with the at least one mounting opening (223) of the guardrail (2) section (21) to which this reinforcing plate (224) is mounted.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] WO 2015058218 A1 20150423 - PIENAAR SIMONE [ZA]
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CN112482883A

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