Title (en)

BRIDGING DEVICE FOR EXPANSION JOINTS

Title (de)

DEHNFUGEN-ÜBERBRÜCKUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE PONTAGE POUR JOINTS DE DILATATION

Publication

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Application

EP 13799208 A 20131126

Priority

- DE 102012023129 A 20121127
- EP 2013003565 W 20131126

Abstract (en)

[origin: WO2014082734A1] The invention relates to an expansion joint bridging device (1) in the form of a slat bridge transition (2) which bridges an expansion joint (4) existing between two construction work parts (3) of a traversable construction work. The expansion joint (4) is spanned by at least two crossbeams (5) which are supported in a load-bearing manner on both construction work parts (3), wherein at least one of the load-bearing supports (6) allows a displacement movement of the respective crossbeam (5) relative to the respective construction work part (3). A plurality of slats (11) arranged above the crossbeams (5) and oriented at least substantially parallel to one another are supported on the crossbeams (5) so as to be displaceable relative to the crossbeams (5) and relative to one another. An overload-safety device (17) is provided between two of the slats (11) that are displaceable relative to the crossbeams (5) and relative to one another. The overload safety device (17) comprises two supporting profiles at a distance from one another and supported on the crossbeams, and a fill profile bridging the gap between the support profiles. Between the two support profiles, at least one fixing device is acting, stabilising the relative position thereof to one another. If a threshold value for the force that would effect the two support profiles to approach one another is exceeded, the fixing device releases the positional stabilisation such that the two support profiles can be moved towards one another by displacing the fill profile upwards out of the gap.

IPC 8 full level

E01D 19/06 (2006.01)

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Citation (opposition)

Opponent :

- EP 2718501 B1 20151014 - MAURER SÖHNE ENGINEERING GMBH & CO KG [DE]
- WO 0198599 A1 20011227 - DEVLIN SEAMUS MICHAEL [GB]
- JP 2003064778 A 20030305 - MEIDENSHA ELECTRIC MFG CO LTD, et al
- WO 2008071386 A1 20080619 - CONSTR RES & TECH GMBH [DE]
- JP 2005350854 A 20051222 - KAWAGUCHI METAL IND CO LTD

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