

Title (en)

Prestressed abutting joints and the manner of making thereof

Title (de)

Vorgespannte Verbindungen und Verfahren zu ihrer Herstellung

Title (fr)

Connexions précontraintes et procédé de fabrication

Publication

EP 2058445 A1 20090513 (EN)

Application

EP 07120427 A 20071110

Priority

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Abstract (en)

Prestressed joints are characterized by that between the facing plates /2/ there are spacing elements /10, 11, 12, 13/ located on the peripheries of the plates, and the stressing bolts /3/ connecting the facing plates are situated in the stretched zone between the spacing elements and the contour of the cross-section of the joined elements. Preferably, the spacing elements are flat bars. The manner of the making of a prestressed abutting joint as in the invention is characterized by that elements of the structure are so positioned that a distance between the facing plates is kept and then spacing elements are placed on the edges of the plates, preferably in the shape of flat bars, after which the facing plates of the joint are stressed by the bolts. Preferably, the spacing elements are bonded or welded to one of the facing plates.

IPC 8 full level

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CPC (source: EP)

E04B 1/2403 (2013.01); **E04B 2001/2415** (2013.01); **E04B 2001/2418** (2013.01); **E04B 2001/2448** (2013.01); **E04B 2001/2457** (2013.01)

Citation (applicant)

- PL 190817 B1 20060228 - POLITECHNIKA SWIETOKRZYSKA [PL]
- PL 188508 B1 20050228 - POLITECHNIKA SWIETOKRZYSKA [PL]

Citation (search report)

- [A] GB 1253033 A 19711110
- [A] US 4047341 A 19770913 - BERNARDI JAMES T
- [A] US 3716957 A 19730220 - BERNARDI J
- [A] DE 10125741 A1 20021128 - WOLPERDING GERNOT [DE]
- [A] US 3716959 A 19730220 - BERNARDI J

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK RS

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