

Title (en)  
STRUCTURAL SECTION

Title (de)  
STRUKTURABSCHNITT

Title (fr)  
SECTION STRUCTURALE

Publication  
**EP 3911809 A4 20221012 (EN)**

Application  
**EP 20741827 A 20200116**

Priority  
• PL 42863019 A 20190119  
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Abstract (en)  
[origin: WO2020149752A1] A section according to the invention with a dual-plane bend of flanges provides formation of a dilatation slit in part of a sheathing supporting area against the flange, which necessitates an advantageous transfer of location of the forces transmitted at the contact point beyond the dilatation slit area, towards the centre of the flange, eliminating beam torsion. The Z-section is formed of a web (1) with two flanges (2 and 3) with an edge stiffener (4). At least one of the Z-section flanges has a dual-plane bend in a form of an off+set (5) or fold (11), dividing thereof into a lower portion (6, 12) located at the web (1) and an upper portion (7) at the edge stiffener.

IPC 8 full level  
**E04C 3/07** (2006.01); **E04D 12/00** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [XD] AU 2008101288 A4 20120202 - FIELDERS AUSTRALIA PTY LTD [AU]  
• [XD] NZ 234805 A 19920826 - LYSAGHT AUSTRALIA LTD  
• [X] US 4490958 A 19850101 - LOWE COLIN F [US]  
• [A] AU 707074 B2 19990701 - BROKEN HILL PTY CO LTD, et al  
• See also references of WO 2020149752A1

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

DOCDB simple family (publication)  
**WO 2020149752 A1 20200723**; EP 3911809 A1 20211124; EP 3911809 A4 20221012; PL 243278 B1 20230731; PL 428630 A1 20200727

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