

Title (en)  
TRANSOM-PILLAR CONNECTION

Publication  
**EP 0189785 A3 19890322 (DE)**

Application  
**EP 86100499 A 19860116**

Priority  
LU 85753 A 19850201

Abstract (en)  
[origin: US4696137A] A beam support joint for a column and a beam, which are each constructed from concrete and at least one metal section having a pair of flanges joined by a web and forming at least one recess of the metal section which is filled with concrete and the outer surfaces of the flanges of the metal section are not covered with concrete and are otherwise free. An upper support strap is mounted on an upper flange of the beam, and is attached to the column and the beam. The upper support strap and the webs of both the beam and the column all lie substantially in the same plane. On a flange of the column a lower support plate is advantageously welded which has a width corresponding approximately to the flange of the column. This lower support plate has at least one recess on its upper side which suitably engages at least one projection provided on a lower flange of the beam. Alternatively the lower support plate can be dispensed with and the upper support strap can be mounted on a cover plate provided on the column with at least one tight fitting screw.

IPC 1-7  
**E04C 3/34**; **E04B 1/24**

IPC 8 full level  
**E04B 1/24** (2006.01); **E04C 3/293** (2006.01); **E04C 3/34** (2006.01)

CPC (source: EP US)  
**E04B 1/2403** (2013.01 - EP US); **E04C 3/293** (2013.01 - EP US); **E04C 3/34** (2013.01 - EP US); **E04B 2001/2415** (2013.01 - EP US); **E04B 2001/2448** (2013.01 - EP US); **E04B 2001/2469** (2013.01 - EP US); **E04B 2001/2484** (2013.01 - EP US)

Citation (search report)

- [A] US 1476572 A 19231204 - ALLBRIGHT EDWIN F
- [A] US 4409765 A 19831018 - PALL AVTAR S [CA]
- [A] DE 2658020 B2 19781005
- [AD] DE 2829864 A1 19790201 - ARBED
- [AP] EP 0133565 A2 19850227 - ARBED [LU]
- [A] EP 0123642 A2 19841031 - ARBED [LU]

Cited by  
CN107227821A; JPS63308131A; DE102019000116A1; EP0292449A3; WO0015920A1

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DOCDB simple family (publication)  
**EP 0189785 A2 19860806**; **EP 0189785 A3 19890322**; **EP 0189785 B1 19911009**; AT E68228 T1 19911015; CA 1273811 A 19900911; DE 3681800 D1 19911114; LU 85753 A1 19860902; US 4696137 A 19870929

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**EP 86100499 A 19860116**; AT 86100499 T 19860116; CA 500891 A 19860131; DE 3681800 T 19860116; LU 85753 A 19850201; US 82359886 A 19860129