

Title (en)  
END CAPS FOR STRUCTURAL MEMBERS

Title (de)  
ENDKAPPEN FÜR TRAGELEMENTE

Title (fr)  
CAPUCHONS D'EXTREMITE POUR ELEMENTS STRUCTURELS

Publication  
**EP 1888853 A1 20080220 (EN)**

Application  
**EP 06744091 A 20060605**

Priority  
• GB 2006002037 W 20060605  
• GB 0511309 A 20050603

Abstract (en)  
[origin: WO2006129115A1] The invention provides a method of constructing a multi-storey building from modular panel components. Each panel component comprises a framework of cold- formed C-profile structural steel members including vertical members (1 to 5) horizontal members (6 and 7) and optional diagonal cross-brace members (8 and 9). The vertical members include some load-bearing structural uprights of the finished building, each of which is provided with an end cap (10) on each of its top and bottom ends, connected to the corresponding load-bearing structural upright by welding or by brazing. Each end cap comprises a back plate portion (10a) secured across the open side of the C-profile of the associated structural upright (1 or 5), to side plate portions (10b) secured to opposite sides of the associated structural upright (1 or 5) and an end plate portion which lies across the otherwise open end of the associated structural upright (1 or 5). The end plate portion is in continuous metal -to-metal contact with the associated load-bearing structural upright, so that in the finished building the end caps (10) at the top ends of the load-bearing structural uprights (1 or 5) of one storey are in contact, either directly or via one or more metal shim plates (17), with the interior faces of a C-profile horizontal structural member spanning two or more structural uprights or with the end caps at the bottom ends of the load-bearing structural uprights (1 or 5) to the next higher storey. This construction, relying as it does on continuous metal-to-metal contact, enables the building of higher structures than would otherwise be possible using cold-formed C-profile structural steel members.

IPC 8 full level  
**E04B 1/08** (2006.01)

CPC (source: EP US)  
**E04B 1/08** (2013.01 - EP US); **Y10T 29/49627** (2015.01 - EP US)

Citation (search report)  
See references of WO 2006129115A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006129115 A1 20061207**; AT E444415 T1 20091015; AU 2006253971 A1 20061207; AU 2006253971 B2 20091210; CA 2614119 A1 20061207; CN 101263267 A 20080910; DE 602006009508 D1 20091112; EP 1888853 A1 20080220; EP 1888853 B1 20090930; ES 2334389 T3 20100309; GB 0511309 D0 20050713; US 2009151165 A1 20090618

DOCDB simple family (application)  
**GB 2006002037 W 20060605**; AT 06744091 T 20060605; AU 2006253971 A 20060605; CA 2614119 A 20060605; CN 200680028273 A 20060605; DE 602006009508 T 20060605; EP 06744091 A 20060605; ES 06744091 T 20060605; GB 0511309 A 20050603; US 91642006 A 20060605