

Title (en)  
Supporting structure for buildings made from cold-rolled profiles

Title (de)  
Traggerüst für Gebäude hergestellt von kaltgewalzten Profilen

Title (fr)  
Ossature de bâtiment réalisée à partir de profilés à froid

Publication  
**EP 0864702 A1 19980916 (FR)**

Application  
**EP 98102940 A 19980220**

Priority  
BE 9700218 A 19970312

Abstract (en)  
The building frame is made from cold sections forming posts (2) and cross members (5) connected together by junction pieces (7,8). The junction pieces are made from cold shaped pieces having a Z shape enabling them to be stacked. The posts and cross members are each formed by two C sections (3a,3b) mounted back to back and connected by junction pieces (9). The webs of the Z junction are fixed on the external faces of corresponding webs of the C sections. The building frame has a relatively simple structure and is light, its components made from cold Z sections which can be stacked.

Abstract (fr)  
L'invention concerne une ossature de bâtiment. Cette ossature est réalisée à partir de profilés à froid (3a, 3b) formant des poteaux (2) et des traverses (5) et reliés entre eux par des pièces de jonction (7,8, 9) et est caractérisée en ce que les pièces de jonction (7,8,9) sont réalisées sous forme de pièces à froid profilées. L'invention est utilisable pour la réalisation de bâtiments. <IMAGE>

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**E04B 1/24**; **E04C 3/07**

IPC 8 full level  
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Citation (search report)  
• [X] FR 2034774 A1 19701218 - ARMCO STEEL CORP [US]  
• [X] GB 1590435 A 19810603 - T I METSEC LTD  
• [A] GB 1534297 A 19781129 - METAL SECTIONS LTD  
• [A] FR 2247597 A1 19750509 - VALLOUREC [FR]  
• [A] DE 1434029 A1 19690925 - SCHRETTENBRUNNER GEB HIRZMANN  
• [A] FR 2304734 A1 19761015 - SIBERT SERGE [FR]  
• [A] US 4342177 A 19820803 - SMITH DONALD A

Cited by  
FR2794153A1; KR100394472B1; US10006193B1; JP2007536447A; RU205941U1; RU2484212C1; EP3913158A1; US7310920B2; WO0073598A1; WO2005111329A1

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