

Title (en)  
STRUCTURAL MEMBER

Publication  
**EP 0457877 A4 19920513 (EN)**

Application  
**EP 91900674 A 19901204**

Priority  
AU PJ784789 A 19891208

Abstract (en)  
[origin: WO9109252A1] A composite structural member (10) is fabricated by springing together two generally 'C' section components (11), each of which has a web (12) with a pair of ribs (16) extending along it, upper and lower main flanges (13) terminating at their edges in sub-flanges (14) directed towards each other, and each sub-flange terminates in a lip (15a, 15b) which is directed back towards the web (12). The lips (15a, 15b) of each component engage respectively outer and inner surfaces of the ribs (16) of the other component, thereby inhibiting displacement of contiguous flanges (13), and maintaining a high moment of inertia which inhibits excessive deflection of the member (10) under load.

IPC 1-7  
**F16S 3/06**; **E04C 3/07**

IPC 8 full level  
**E04C 3/07** (2006.01); **E04C 3/40** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP KR)  
**E04C 3/07** (2013.01 - EP); **E04C 3/40** (2013.01 - EP); **F16S 3/06** (2013.01 - KR); **E04C 2003/0413** (2013.01 - EP); **E04C 2003/043** (2013.01 - EP); **E04C 2003/0465** (2013.01 - EP)

Citation (search report)  
• [Y] DE 2313041 A1 19731011 - UNITED STATES GYPSUM CO  
• [Y] FR 2114490 A5 19720630 - KRAMME ET ZEUTHEN AS  
• [A] AU 513719 B2 19801218 - FLETCHER IND  
• [A] AU 514640 B2 19810219 - ROLL FORM IND PTY LTD  
• [A] NL 6902562 A 19700820  
• [A] DE 8911488 U1 19891116  
• See references of WO 9109252A1

Designated contracting state (EPC)  
DE ES FR GB IT NL

DOCDB simple family (publication)  
**WO 9109252 A1 19910627**; AU 652139 B2 19940818; AU 6954991 A 19910718; CA 2047224 A1 19910609; CN 1054640 A 19910918; EP 0457877 A1 19911127; EP 0457877 A4 19920513; KR 920701751 A 19920812; ZA 909681 B 19910925

DOCDB simple family (application)  
**AU 9000577 W 19901204**; AU 6954991 A 19901204; CA 2047224 A 19901204; CN 90110414 A 19901208; EP 91900674 A 19901204; KR 910700889 A 19910808; ZA 909681 A 19901203