

Title (en)  
COLD-FORMED STEEL JOISTS

Title (de)  
KALTGEFORMTE STAHLTRÄGER

Title (fr)  
POUTRELLES EN ACIER FORMEES A FROID

Publication  
**EP 1687496 A4 20130220 (EN)**

Application  
**EP 04789796 A 20041028**

Priority  

- CA 2004001889 W 20041028
- US 51462203 P 20031028
- US 72161003 A 20031125

Abstract (en)  
[origin: CA2542848C] An upper chord bearing joist (20) comprises an upper elongate chord member (22) cold-formed from a unitary piece of sheet steel, the upper chord member (22) having a flange portion and a web receiving portion orthogonal thereto and the web receiving portion having two web receiving tabs (46, 48) and a pair of inner flange portions (45, 47), each inner flange portion extending outward from one of the web receiving tabs respectively; a lower elongate chord member (24), wherein the upper chord member (22) extends longitudinally beyond the lower chord member (24) at each end thereof; and a generally planar steel web (26) attached to the web receiving portion of the upper chord member (22) between the two web receiving tabs (46, 48) and attached to the lower chord member (24). A plurality of upper chord bearing joists may form a supporting system for use in composite floor and roof systems.

IPC 8 full level  
**E04C 3/08** (2006.01); **B21D 47/01** (2006.01); **B21D 53/00** (2006.01); **E04B 5/10** (2006.01); **E04B 5/29** (2006.01); **E04B 5/40** (2006.01); **E04C 3/06** (2006.01); **E04C 3/07** (2006.01); **E04C 3/09** (2006.01); **E04C 3/11** (2006.01); **E04C 3/29** (2006.01); **E04C 3/293** (2006.01); **E04C 3/294** (2006.01); **E04C 3/02** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP)  
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Citation (search report)  

- [X1] CA 1172463 A 19840814 - HAMBRO STRUCTURAL SYSTEMS LTD
- [X1] WO 0201016 A1 20020103 - NCI BUILDING SYSTEMS L P [US]
- [X1] US 2108373 A 19380215 - GREULICH GERALD G
- [X1] CA 900687 A 19720523 - ATKINSON ARCHIBALD H
- See references of WO 2005042869A1

Citation (examination)  
US 2002020138 A1 20020221 - WALKER STEVEN H [US], et al

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