

Title (en)  
A STEEL JOIST

Publication  
**EP 0113972 B1 19880921 (EN)**

Application  
**EP 83307579 A 19831213**

Priority  
CA 419589 A 19830117

Abstract (en)  
[origin: EP0113972A1] A steel joist for use in a composite steel and concrete construction consists of a web (17), a bottom chord (16) and a double top chord (18) construction consisting of two elongated substantially identical members (21) each of S or Z cross-section and being connected to or integral with the web (17). The members (21) are positioned in mirror relation to one another to provide symmetry about a vertical axis, and in use are embedded in a concrete slab, with the web (17) and bottom chord (16) not being embedded in the concrete.

IPC 1-7  
**E04C 3/09**; **E04C 3/07**; **E04B 5/29**

IPC 8 full level  
**E04B 5/32** (2006.01); **E04B 5/29** (2006.01); **E04C 3/07** (2006.01); **E04C 3/09** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP KR)  
**E04B 5/18** (2013.01 - KR); **E04B 5/29** (2013.01 - EP); **E04C 3/07** (2013.01 - EP); **E04C 3/09** (2013.01 - EP); **E04C 2003/0413** (2013.01 - EP); **E04C 2003/0434** (2013.01 - EP); **E04C 2003/0452** (2013.01 - EP); **E04C 2003/0486** (2013.01 - EP); **E04C 2003/0491** (2013.01 - EP)

Cited by  
KR100718294B1; CN112227201A; US11536030B2; WO8900224A1; WO8804023A1

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