

Title (en)  
Steel beam for prefabricated floors

Title (de)  
Stahlträger für Fertigteildecken

Title (fr)  
Support en acier pour planchers préfabriqués

Publication  
**EP 2405070 A3 20140716 (DE)**

Application  
**EP 11075119 A 20110526**

Priority  
DE 102010025042 A 20100622

Abstract (en)  
[origin: EP2405070A2] The steel girder has an under belt (1) utilized as a support, and a web plate (2) attached to the under belt. A ceiling slab is made of reinforced steel concrete and connected to the web plate, where the web plate is formed as a corrugated metallic sheet. The web plate is provided with a receiving device hooked with a reinforcement of the ceiling slab. The web plate is formed in trapezoidal shape and arranged symmetrical to the under belt. An upper belt (3) is connected with the web plate and divided in longitudinal direction.

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

CPC (source: EP)  
**E04C 3/07** (2013.01); **E04B 2005/322** (2013.01); **E04C 3/065** (2013.01); **E04C 2003/0413** (2013.01); **E04C 2003/0434** (2013.01); **E04C 2003/0452** (2013.01)

Citation (search report)

- [X] KR 20090109801 A 20091021 - UNIV SEOUL IND COOP FOUND [KR]
- [X] JP H11323835 A 19991126 - NIPPON KOKAN LIGHT STEEL KK
- [X] CN 101377088 A 20090304 - SHUI WAN [CN]
- [X] WO 2009124356 A1 20091015 - QLD STEEL PTY LTD [AU], et al
- [X] US 2010043231 A1 20100225 - YOUNG KEITH A [US], et al

Cited by  
FR3093745A1; EP3540141A1; NL2020588B1; EP3344823B1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2405070 A2 20120111; EP 2405070 A3 20140716**; DE 102010025042 A1 20111222

DOCDB simple family (application)  
**EP 11075119 A 20110526**; DE 102010025042 A 20100622