

Title (en)
Method of manufacturing a structural beam with openings

Title (de)
Verfahren zur Herstellung eines Trägers mit Öffnungen

Title (fr)
Procédé de fabrication d'une poutre structurelle avec ouvertures

Publication
EP 1961887 B1 20110810 (EN)

Application
EP 07102970 A 20070223

Priority
EP 07102970 A 20070223

Abstract (en)
[origin: EP1961887A1] A method for manufacturing a beam (10) with openings comprising the steps of: providing two T-beams (20 1 , 20 2), the web (12a) of each of said T-beams having a respective free edge (22) describing an undulated line with peaks (24) and bases (26), the peaks being further essentially flat and parallel to a common axis; positioning the two T-beams (20 1 , 20 2) in face-to-face relationship so that the peaks (24) of their web edges come into contact and substantially coincide; welding the two T-beams together along their coinciding peaks (26) to form a beam with openings (18) located in its web. The undulated web edge lines (22) of the T-beams (20 1 , 20 2) are designed in such a way as to comprise a curvilinear line portion each side of each flat peak (26), such curvilinear line portion having a slope progressively approaching the slope of the flat peak (26).

IPC 8 full level
E04D 3/08 (2006.01); **B21D 47/01** (2006.01)

CPC (source: EP)
B21D 47/01 (2013.01); **E04C 3/086** (2013.01); **E04C 2003/0413** (2013.01)

Cited by
US8739491B2; WO2017109526A1; WO2017109560A2; US10994327B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1961887 A1 20080827; **EP 1961887 B1 20110810**; AT E519901 T1 20110815; ES 2370267 T3 20111214; PL 1961887 T3 20120131

DOCDB simple family (application)
EP 07102970 A 20070223; AT 07102970 T 20070223; ES 07102970 T 20070223; PL 07102970 T 20070223