

Title (en)  
THIN-WALLED, COLD-FORMED LIGHTWEIGHT STRUCTURAL PROFILE ELEMENT AND METHOD FOR PRODUCING SUCH A PROFILE ELEMENT

Title (de)  
DÜNNWANDIG KALTVERFORMTES LEICHTBAUPROFILELEMENT UND VERFAHREN ZUM HERSTELLEN EINES SOLCHEN PROFILELEMENTS

Title (fr)  
ÉLÉMENT PROFILÉ DE CONSTRUCTION LÉGER, À PAROIS MINCES, FORMÉ À FROID, ET PROCÉDÉ DE FABRICATION D'UN TEL ÉLÉMENT PROFILÉ

Publication  
**EP 2483492 A2 20120808 (DE)**

Application  
**EP 10766241 A 20100927**

Priority  
• DE 102009047958 A 20091001  
• DE 102009048152 A 20091002  
• DE 102010026320 A 20100707  
• EP 2010005891 W 20100927

Abstract (en)  
[origin: WO2011038879A2] The invention relates to a thin-walled, cold-formed profile element, in particular a structural profile, for example a drywall construction, facade, plaster, screed, tile or cable carrier profile or a shelf or drain rail. The profile element has an elongated profile body, in particular metallic or consisting of plastic, in which a multiplicity of openings is formed. The profile body comprises at least two separately constructed longitudinal sections, each longitudinal section comprising a serpentine longitudinal edge. The longitudinal sections each comprise an elongated section and a plurality of connecting sections projecting laterally beyond the elongated section, which are bordered by the serpentine longitudinal edge. The connecting sections of the one longitudinal section face the connecting sections of the other longitudinal section and are in each case welded to the latter edge to edge or joined to one another along curved abutting edges. At least in some sections, the openings are bordered by sections of the serpentine longitudinal edges. Formed in the longitudinal sections are reinforcing beads running in the longitudinal direction of the longitudinal sections and also reinforcing beads running transversely thereto, the reinforcing beads running transversely being connected to the reinforcing beads running in the longitudinal direction, and the reinforcing beads running transversely extending into the connecting sections. The invention further relates to a method for producing such a profile element.

IPC 8 full level  
**E04C 3/08** (2006.01); **E04C 3/09** (2006.01)

CPC (source: EP KR US)  
**E04B 1/38** (2013.01 - KR); **E04C 3/086** (2013.01 - EP KR US); **E04C 3/09** (2013.01 - EP KR US); **E04C 2003/0413** (2013.01 - EP KR US); **E04C 2003/0434** (2013.01 - EP KR US); **E04C 2003/0473** (2013.01 - EP KR US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)  
See references of WO 2011038879A2

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**WO 2011038879 A2 20110407; WO 2011038879 A3 20110603**; AP 2012006236 A0 20120430; AR 078203 A1 20111019; AU 2010301506 A1 20120426; AU 2010301506 B2 20140731; BR 112012007058 A2 20160412; BR 112012007058 B1 20191029; CA 2775987 A1 20110407; CA 2775987 C 20180206; CN 102753766 A 20121024; CN 102753766 B 20150513; CR 20120159 A 20120927; CY 1113986 T1 20160727; DK 2483492 T3 20130402; DK 2573291 T3 20150216; EA 022812 B1 20160331; EA 201270484 A1 20120928; EC SP12011758 A 20120731; EP 2483492 A2 20120808; EP 2483492 B1 20130213; EP 2573291 A1 20130327; EP 2573291 B1 20141112; ES 2403234 T3 20130516; ES 2529422 T3 20150219; HK 1169908 A1 20130208; HR P20130355 T1 20130531; IL 218951 A0 20120628; IN 2785DEN2012 A 20150918; JP 2013506773 A 20130228; JP 5997608 B2 20160928; KR 101720197 B1 20170410; KR 20120093245 A 20120822; ME 01492 B 20140420; MX 2012003705 A 20120723; MY 166255 A 20180622; NZ 599190 A 20140131; PL 2483492 T3 20130628; PL 2573291 T3 20150430; PT 2483492 E 20130418; RS 52742 B 20130830; SI 2483492 T1 20130628; SM T201300054 B 20130709; TW 201118294 A 20110601; TW I532946 B 20160511; US 2012240508 A1 20120927; US 8739491 B2 20140603; ZA 201202305 B 20121227

DOCDB simple family (application)  
**EP 2010005891 W 20100927**; AP 2012006236 A 20100927; AR P100103568 A 20100930; AU 2010301506 A 20100927; BR 112012007058 A 20100927; CA 2775987 A 20100927; CN 201080044733 A 20100927; CR 20120159 A 20120329; CY 131100382 T 20130513; DK 10766241 T 20100927; DK 12197573 T 20100927; EA 201270484 A 20100927; EC SP12011758 A 20120329; EP 10766241 A 20100927; EP 12197573 A 20100927; ES 10766241 T 20100927; ES 12197573 T 20100927; HK 12110609 A 20121024; HR P20130355 T 20130423; IL 21895112 A 20120329; IN 2785DEN2012 A 20120330; JP 2012531275 A 20100927; KR 20127011225 A 20100927; ME P3613 A 20100927; MX 2012003705 A 20100927; MY PI2012700124 A 20100927; NZ 59919010 A 20100927; PL 10766241 T 20100927; PL 12197573 T 20100927; PT 10766241 T 20100927; RS P20130156 A 20100927; SI 201030199 T 20100927; SM 201300054 T 20130527; TW 99133236 A 20100930; US 201013498382 A 20100927; ZA 201202305 A 20120329