

Title (en)
SUPPORTING CORE AND METHOD FOR PRODUCING HOLLOW PROFILED ELEMENTS

Title (de)
STÜTZKERN UND VERFAHREN FÜR DIE HERSTELLUNG VON HOHLPROFILIEN

Title (fr)
NOYAU DE SUPPORT ET PROCÉDÉ POUR PRODUIRE DES PROFILÉS CREUX

Publication
EP 2282853 B1 20120815 (DE)

Application
EP 09742014 A 20090429

Priority
• EP 2009055230 W 20090429
• DE 102008022402 A 20080506

Abstract (en)
[origin: WO2009135796A1] The invention relates to a supporting core (1) for using in a device for shaping plates to form a structured hollow profiled element comprising a plurality of interconnected supporting members (2), and to a method for producing structured hollow profiled elements from a plate. The aim of the invention is to provide a supporting core (1) for using in the production of structured hollow profiled elements, which ensures an all-over support of the plate, and thereby enables the production of hollow profiled elements with a variable cross-section or a curved form. To this end, when the individual supporting members (2) are pushed together, at least part of the surface thereof forms the inner contour of the hollow profiled element to be produced and they are interconnected by means of coupling elements (4). The coupling elements (4) allow the supporting members to be separated, said supporting members (2) being interconnected in an articulated manner in the separated position thereof.

IPC 8 full level
B21D 5/10 (2006.01); **B21C 37/06** (2006.01); **B21D 9/01** (2006.01); **B21D 9/03** (2006.01); **B21D 51/02** (2006.01)

CPC (source: EP US)
B21C 37/16 (2013.01 - EP US); **B21D 9/03** (2013.01 - EP US)

Cited by
DE102016123265A1; WO2018099744A1

Designated contracting state (EPC)
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 TR

DOCDB simple family (publication)
WO 2009135796 A1 20091112; CN 102015141 A 20110413; CN 102015141 B 20131127; DE 102008022402 A1 20091119; EP 2282853 A1 20110216; EP 2282853 B1 20120815; ES 2392922 T3 20121217; PL 2282853 T3 20130131; PT 2282853 E 20121129; US 2011088443 A1 20110421; US 2011265536 A2 20111103; US 8881572 B2 20141111

DOCDB simple family (application)
EP 2009055230 W 20090429; CN 200980116150 A 20090429; DE 102008022402 A 20080506; EP 09742014 A 20090429; ES 09742014 T 20090429; PL 09742014 T 20090429; PT 09742014 T 20090429; US 99088409 A 20090429