

Title (en)
Hollow or laminated wall

Title (de)
Hohl- oder Mehrschichtwandelement

Title (fr)
Mur creux ou multicouche

Publication
EP 2166178 A2 20100324 (DE)

Application
EP 09011922 A 20090918

Priority
DE 102008048425 A 20080923

Abstract (en)
The spacer (1) has three bars (2) connected with each other using a connecting device (3), where each bar has a respective supporting section (5). The supporting sections form a supporting plane (8) of the bars. The connecting device is provided with a ring, through which the bars extend such that the bars are firmly connected with the ring, where the ring is arranged in a longitudinal direction of the bars. The ring and the bars are formed from stainless steel or glass fiber reinforced plastic. An independent claim is also included for a method for producing hollow and multi layer walls.

Abstract (de)
Abstandhalter, vorzugsweise für die Herstellung von Hohl- oder Mehrschichtwänden, mit wenigstens drei Stäben, die miteinander verbunden sind und jeder Stab zumindest einen Stützabschnitt aufweist und die Stützabschnitte der drei Stäbe voneinander beabstandet sind, um dadurch eine Stützebene zu bilden.

IPC 8 full level
E04G 11/18 (2006.01); **B28B 23/02** (2006.01); **E04C 2/04** (2006.01)

CPC (source: EP US)
B28B 23/028 (2013.01 - EP US); **E04C 2/044** (2013.01 - EP US); **E04G 11/18** (2013.01 - EP US); **E04C 2002/047** (2013.01 - EP US)

Cited by
CN106696076A; DE102013005470A1; DE102013005470B4; EP2522788A3; EP3068962A4; US9885180B2; WO2018128613A1; US9957713B2; US10167633B2; US10704260B2

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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 09011922 A 20090918; DE 102008048425 A 20080923; DK 09011922 T 20090918; RU 2009135671 A 20090917; US 58617309 A 20090917