

Title (en)
HONEYCOMB ELEMENT WITH REINFORCED CORNERS

Title (de)
WABENKÖRPER MIT VERSTÄRKTEN ECKEN

Title (fr)
ÉLÉMENT EN NID D'ABEILLE A COINS RENFORCES

Publication
EP 2755741 A1 20140723 (FR)

Application
EP 12773022 A 20120912

Priority
• FR 1158187 A 20110914
• FR 2012052034 W 20120912

Abstract (en)
[origin: WO2013038103A1] Monolithic honeycomb element (1) comprising a plurality of adjacent channels (2,3) with axes parallel to each other, separated by walls (4) made of a porous material, said element (1) having, in cross section, a polygonal, particularly square, cross section, delimited by outer wall elements (6-9), said element being characterised in that at least one corner (11) of said polygon, and preferably all the corners of the polygon, have an extra thickness ec according to the bisector (13) of the angle at said corner (11), such that the total thickness E_c of the outer wall, also measured according to said bisector (13) of the angle at said corner (11), is greater than average thickness E of said outer walls by a factor of at least 1.43, said extra thickness ec being obtained at least in part by an addition (10) of porous material to the outer face of said corner.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
See references of WO 2013038103A1

Citation (examination)
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• WO 9409901 A1 19940511 - UNIV DELFT TECH [NL], et al
• WO 02079346 A2 20021010 - CORNING INC [US]
• US 2004170804 A1 20040902 - NIKNAFS HASSAN S [US], et al
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Designated contracting state (EPC)
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DOCDB simple family (publication)
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