

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 e_c 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 e_c 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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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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DOCDB simple family (application)
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