

Title (en)
FOLDED HONEYCOMB STRUCTURE CONSISTING OF CORRUGATED PAPERBOARD AND METHOD AND DEVICE FOR PRODUCING THE SAME

Title (de)
FALTWABE AUS WELLPAPPE, VERFAHREN UND VORRICHTUNG ZU DEREN HERSTELLUNG

Title (fr)
STRUCTURE EN NID D'ABEILLE PLISSEE, EN CARTON ONDULE, ET PROCEDE ET DISPOSITIF DE FABRICATION ASSOCIES

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Application
EP 00920578 A 20000325

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Abstract (en)
[origin: US6800351B1] The invention relates to a folded honeycomb structure and to a method and device for producing said folded honeycomb structure from a corrugated core web. The folded honeycomb structure has a number of adjacent corrugated core strips which lie in one plane and are interconnected by cover layer strips. Said cover layer strips are folded about 180° and are perpendicular to said plane. According to the inventive method for producing the folded honeycomb structure, interconnected corrugated core strips are produced first by making a number of longitudinal scores in a corrugated core web. These corrugated core strips are then alternately rotated through 90° respectively so that the cover layer strips fold and the folded honeycomb structure is formed. The device corresponding to this method consists of a number of rotating blades for making the longitudinal scores and a number of guiding elements for rotating the interconnecting corrugated core strips.

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Cited by
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US 6800351 B1 20041005; AT E231067 T1 20030215; AU 4110400 A 20001016; AU 762081 B2 20030619; CA 2366504 A1 20001005; CA 2366504 C 20080722; CN 1238182 C 20060125; CN 1345269 A 20020417; DE 19913830 A1 20000928; DE 50001100 D1 20030220; EP 1165310 A1 20020102; EP 1165310 B1 20030115; EP 1165310 B2 20070214; ES 2190410 T3 20030801; ES 2190410 T5 20071001; JP 2002539991 A 20021126; JP 4740459 B2 20110803; WO 0058080 A1 20001005

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