

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
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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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