

Title (en)

APPARATUS AND PROCESSES FOR FORMING A HEXAGONAL-CELL HONEYCOMB CORE, AND THE CORE FORMED THEREBY

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES HEXAGONALZELLIGEN WABENFÖRMIGEN KERNS, UND DER SO HERGESTELLTE KERN

Title (fr)

APPAREIL ET PROCEDES DE FORMATION D'UN NOYAU EN NID D'ABEILLE A CELLULES HEXAGONALES, ET NOYAU AINSI FORME

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Application

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Abstract (en)

[origin: WO9310970A2] The present invention is directed to a plurality of apparatus and processes for forming a hexagonal-cell honeycomb core, and to the honeycomb core made thereby. One apparatus (20) and process forms a honeycomb half-cell structure from a web of material. Another apparatus (24) and process applies at least one adhesive component to the honeycomb half-cell structure. An apparatus (26) and process cuts the honeycomb half-cell structure into a plurality of sheets. A further apparatus (29) and process stacks the half-cell structure to make a hexagonal-cell honeycomb core. In addition, the present invention is directed to a system and a method which advance the leading edge of a supply of web and which position the web for a secondary operation, and to a transfer head for holding at least one sheet of half-cell structure.

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