

Title (en)

SHEET OF MATERIAL WITH FLUID-RESISTANT BEND CONTROLLING DISPLACEMENTS AND METHOD OF FORMING THE SAME

Title (de)

MATERIALFLÄCHE MIT FLUIDBESTÄNDIGEN BIEGEGESTEUERTEN VERSÄTZEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FEUILLE DE MATÉRIAU PRÉSENTANT DES DÉPLACEMENTS DE RÉGLAGE DE COURBURE RÉSISTANTE AUX LIQUIDES, ET SON PROCÉDÉ DE FORMATION

Publication

EP 2197603 A2 20100623 (EN)

Application

EP 08831706 A 20080922

Priority

- US 2008077287 W 20080922
- US 97446607 P 20070922

Abstract (en)

[origin: WO2009039526A2] A method of preparing a two-dimensional sheet of material for bending along a bend line to form a three-dimensional article having a fluid-resistant bend includes the steps of forming at least one bend-controlling displacement in the thickness direction of the sheet of material, a portion of a periphery of the bend-controlling displacement proximate the bend line defining a sheared face directed toward an opposed sheet surface in the sheet of material on an opposite side of the bend line, and bending the sheet of material. A balancing of the forces during bending produces face-to-surface engagement between the sheared face and the opposed sheet surface such that the sheet material is substantially fluid-resistant along the bend line.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009039526A2

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