

Title (en)

BALLISTIC PLATE MATERIALS AND METHOD

Title (de)

MATERIALIEN BALLISTISCHER PLATTEN UND VERFAHREN

Title (fr)

MATÉRIAUX DE PLAQUE BALISTIQUE ET PROCÉDÉ

Publication

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Application

EP 14828720 A 20140501

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Abstract (en)

[origin: WO2015012931A2] Embodiments of the invention provide body armor composite and methods of fabrication. The body armor composite can include at least one strike-face layer, at least one strike-face reinforcement layer, and at least one catchment layer. Some embodiments include body armor composite with a bump guard layer, and a back-face reduction layer. In some embodiments, the fabrication method includes bonding multiple layers to form an armor composite. Some embodiments include an armor production tool including a housing at least two housing portions which form a substantially air-tight chamber when closed. The tool can include a lower flexible membrane forming at least a portion of a mold, and an upper flexible membrane capable of engaging the lower flexible membrane. The tool can include a pressure port for pressurizing the chamber and to move portions of the mold towards each other, and a locking mechanism for locking the two housing portions.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 6143215 A 20001107 - MCCOLLUM ROBERT P [US], et al
- [X] US 3964958 A 19760622 - JOHNSTON ORIN B
- [X] WO 9919132 A1 19990422 - LEAR CORP [US]
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