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Labock

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[54] **BULLET-RESISTANT TRANSPARENT PANEL, AND METHOD AND PRESS FOR MAKING SAME**

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[51] **Int. Cl.⁵** **B32B 7/12; E04B 2/02**

[52] **U.S. Cl.** **428/335; 109/10; 109/49.5; 109/80; 428/412; 428/424.4; 428/911**

[58] **Field of Search** **109/5, 10, 49.5, 80; 428/335, 412, 424.4, 911**

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,243,719	1/1981	Holmes	340/550
4,594,290	6/1986	Fischer et al.	109/80 X
4,908,083	3/1990	Hall	428/412 X

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[57] **ABSTRACT**

A transparent panel having unidirectional bullet-resisting characteristics, comprises an outer transparent panel of an acrylic resin; an inner transparent sheet of a polycarbonate resin; and a transparent adhesive bonding the two sheets together. Also described are a method of making such a panel, and presses useful in making such a panel.

5 Claims, 3 Drawing Sheets

