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Roush et al.

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[54] **ACOUSTIC WINDOW AND METHOD FOR MAKING THE SAME**

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[57] ABSTRACT

[51] Int. Cl.⁶ **B29C 45/00; B32B 3/06**

[52] U.S. Cl. **428/99; 264/102; 264/328.1; 264/328.8; 264/328.13; 367/173; 367/174; 428/68; 428/69; 428/76; 428/423.1**

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A method for making polyurethane acoustic windows. A molding material is applied to a reservoir connected to the bottom of the mold to fill the mold under the influence of a vacuum applied at the top of the mold. After initialling filling the mold, a second reservoir connects to the vacuum port and additional material is added to the first reservoir to partially fill the second reservoir. Thereafter the mold with the reservoirs attached is located in a pressure oven for curing. After curing the mold an acoustic window is removed from the mold for post molding operations.

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28 Claims, 4 Drawing Sheets

