

Title (en)
REINFORCED THERMOPLASTIC HONEYCOMB STRUCTURE

Publication
EP 0412118 A4 19910925 (EN)

Application
EP 89905897 A 19890428

Priority
US 18837788 A 19880429

Abstract (en)
[origin: WO8910258A1] A method of manufacturing thermoplastic structures wherein the structure comprises a fiber-reinforced thermoplastic resin. The fiber reinforcement may be in the form of a woven (8) or non-woven web (7). The thermoplastic resin may be introduced therein in the form of staple fibers blended into the woven web (7b, 11) or by melt-coating (31, 33) the web (23b) or by laminating a preformed thermoplastic resin film (35, 35') to the web (23c). The latter technique allows uniform distribution of a radar-absorbing material, coated on or blended into the preformed thermoplastic film (35, 35') throughout the honeycomb.

IPC 1-7
B32B 3/12; B32B 31/12

IPC 8 full level
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Citation (search report)
• [X] US 3673058 A 19720627 - JACKSON WENDELL T, et al
• [Y] US 3134705 A 19640526 - MOELLER DELMER H
• [Y] US 3379594 A 19680423 - BRUDER WALLACE J
• [Y] US 3227592 A 19660104 - COATES HERBERT W, et al
• See references of WO 8910258A1

Cited by
US7935784B2

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