

Title (en)
DELAMINATION RESISTANT, WELDABLE AND FORMABLE LIGHT WEIGHT COMPOSITES

Title (de)
ABLÖSUNGSRESISTENTE, SCHWEISSFÄHIGE UND FORMBARE LEICHTGEWICHTIGE VERBUNDSTOFFE

Title (fr)
COMPOSITES LÉGERS RÉSISTANTS AU DÉLAMINAGE ET POUVANT ÊTRE FAÇONNÉS ET SOUDÉS

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Application
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Abstract (en)
[origin: WO2012019115A1] The present invention relates to filled polymeric materials 16 including a thermoplastic polymer 18 and a metallic fiber 20 and to light weight composite materials 10, 12 which comprise a metallic layer 14 and a polymeric layer, the polymeric layer containing the filled polymeric material 16. The composite materials of the present invention may be formed using conventional stamping equipment at ambient temperatures. Composite materials of the present invention may also be capable of being welded to other metal materials using conventional welding techniques. The composites exhibit resistance to delamination.

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