

Title (en)
MULTI-ELECTROLYTE TREATMENT OF CARBON FIBRES TO MODIFY SHEAR RESISTANCE

Publication
EP 0251491 B1 19920701 (EN)

Application
EP 87304726 A 19870528

Priority
US 86873786 A 19860530

Abstract (en)
[origin: EP0251491A1] Carbon fibers can be surface treated to improve interfacial bonding in a composition comprising said fibers reinforcing a bis-maleimide matrix resin, comprising the steps of: moving said fiber, as anode, through a first aqueous electrolytic bath containing an ionized acid base or neutral salt, followed by moving said fiber, as anode, through a second electrolytic bath containing an ammonium salt, said bath having a pH of at least about 8. Composites comprising the carbon fibers so treated in a bis-maleimide matrix resin have good edge delamination strength.

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IPC 8 full level
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CPC (source: EP)
D01F 11/14 (2013.01); **D01F 11/16** (2013.01)

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