

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.

IPC 1-7  
**C25D 1/04; C25D 7/06; C25D 9/06; C25D 11/02; C25F 1/00; D01F 11/10**

IPC 8 full level  
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CPC (source: EP)  
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