

Title (en)

A method for preparing a high strength composite and fibrous web comprising a dried composite.

Title (de)

Verfahren zur Herstellung eines zusammengesetzten Materials mit hoher Festigkeit und dieses getrocknete Material enthaltendes Faservlies.

Title (fr)

Méthode de préparation d'une matière composite de grande résistance et nappe fibreuse comprenant ladite matière composite séchée.

Publication

**EP 0000921 A1 19790307 (EN)**

Application

**EP 78100676 A 19780816**

Priority

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- US 82532377 A 19770817

Abstract (en)

High strength composites prepared by (A) mixing (1) an aqueous slurry of negatively charged, water-insoluble natural or synthetic fiber such as cellulose fiber, (2) a latex having a high density of pH independent cationic charges, such as sulfonium, bound at or near the particle surface, (3) a water-soluble, high molecular weight anionic polymer co-additive, such as a hydrolyzed polyacrylamide and optionally (4) conventional wet and additives; (B) draining water from the resulting aqueous suspension and (C) drying by heating.

IPC 1-7

**D21D 3/00**; C08F 8/00; C08F 257/02; C08F 279/02; D21H 3/38

IPC 8 full level

**C08F 8/00** (2006.01); **D21H 17/34** (2006.01); **D21H 17/37** (2006.01); **D21H 17/43** (2006.01); **D21H 21/54** (2006.01)

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Citation (search report)

- US 3146157 A 19640825 - MORGAN ROBERT W, et al
- FR 2308660 A1 19761119 - DOW CHEMICAL CO [US]

Cited by

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