

Title (en)

Method of applying a coating at high bath concentration and low wet pick-up to materials such as nonwovens using a brush spray applicator.

Title (de)

Verfahren zum Aufbringen einer Beschichtung bei hoher Badkonzentration und niedriger Feuchtigkeitsaufnahme auf Materialien wie Vliesstoffen, mit eine Bürste Spritzvorrichtung.

Title (fr)

Procédé d'application de revêtement à haute concentration et à prise de fluide faible à des matériaux, tel les non-tissés, utilisant un applicateur par pulvérisation à la brosse.

Publication

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Application

**EP 93114164 A 19930903**

Priority

US 96809392 A 19921029

Abstract (en)

Nonwoven, hydrophobic fibrous substrates uniformly coated with a wetting agent are disclosed which have improved tensile strength properties over conventional coated, nonwoven substrates. Also disclosed are processes for applying a high solids content wetting agent to a substrate in a manner which results in low wet pick-up and reduces or eliminates drying requirements. The low wet pick-up reduces degradation of the tensile strength of the material normally resulting from the wetting and drying of nonwoven substrates. In one embodiment the untreated side remains hydrophobic producing a "one-way valve" effect. In another embodiment, both sides of the material are treated with direct application to only one side of the material. Disclosed treatment methods include printing and brush spray application. Brush spray application provides the additional advantages of preserving the loft of the material and coating both sides of the material or at least deeply penetrating the material. <IMAGE>

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Citation (search report)

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