

Title (en)  
Method for making needled nonwoven fabrics.

Title (de)  
Verfahren zur Herstellung von vernadelten Spinnvliesen.

Title (fr)  
Méthode de fabrication des nappes non tissées aiguilletées.

Publication  
**EP 0464400 A1 19920108 (DE)**

Application  
**EP 91109448 A 19910608**

Priority  
AT 140190 A 19900702

Abstract (en)  
[origin: CA2043685A1] Process for manufacturing needled spunbondeds from thermoplastic fibers wherein, prior to the needling, the as-spun web is thermally sealed at the surfaces and provided with a lubricant.

Abstract (de)  
Verfahren zur Herstellung von vernadelten Spinnvliesen aus Thermoplastfasern, bei dem das von der Spinnanlage kommende Vlies vor der Vernadelung an den Oberflächen thermisch angesiegelt und mit einem Gleitmittel versetzt wird.

IPC 1-7  
**D04H 1/46**

IPC 8 full level  
**D01D 5/098** (2006.01); **D04H 1/485** (2012.01); **D04H 3/08** (2006.01); **D04H 3/16** (2006.01); **D04H 5/06** (2006.01); **D06M 13/00** (2006.01)

CPC (source: EP KR US)  
**D04H 1/485** (2013.01 - EP US); **D04H 5/06** (2013.01 - KR)

Citation (search report)

- [A] US 4632858 A 19861230 - KNOKE JUERGEN [DE], et al
- [A] US 3994759 A 19761130 - STOLLER FREDERICK L
- [A] EP 0363707 A2 19900418 - GRUENZWEIG & HARTMANN [DE]

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