

Title (en)

Method of producing a nonwoven web of multicomponent filaments

Title (de)

Verfahren zur Herstellung einer Spinnvliesbahn aus Mehrkomponenten-Filamenten

Title (fr)

Procédé de fabrication d'une nappe non-tissé de filaments multicomposés

Publication

EP 1396567 A1 20040310 (DE)

Application

EP 02017894 A 20020809

Priority

EP 02017894 A 20020809

Abstract (en)

In a process to manufacture a non-woven fibrous web from two or more types of fiber, the fibers are released onto a belt where they are exposed to water jets. The web fiber filaments are then curled by exposure to heat. The fibers employed are dual-component side-by-side fibers. The heat treatment is applied by hot air.

Abstract (de)

Verfahren zur Herstellung einer Spinnvliesbahn aus Mehrkomponenten-Filamenten, wobei die Mehrkomponenten-Filamente auf einer Ablage zur Spinnvliesbahn abgelegt werden. Die Spinnvliesbahn wird durch Wasserstrahlbehandlung verfestigt. Anschließend wird die Spinnvliesbahn zur Aktivierung einer Filamentkräuselung einer Wärmebehandlung unterzogen. <IMAGE>

IPC 1-7

D04H 3/10; D04H 1/46; D04H 1/50

IPC 8 full level

D04H 3/08 (2006.01); **D04H 3/11** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP KR US)

D04H 3/08 (2013.01 - KR); **D04H 3/11** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP KR US)

Citation (search report)

- [X] US 2002074697 A1 20020620 - STEINKE TARA TRYPHENA [US], et al
- [X] US 5418045 A 19950523 - PIKE RICHARD D [US], et al
- [A] DE 10105784 A1 20020808 - FLEISSNER GEROLD [CH]
- [X] WO 0020178 A1 20000413 - HILLS INC [US], et al

Cited by

EP1903134A1; EP1508634A1

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