

Title (en)
SPUNBOND NONWOVEN FABRIC MADE FROM ENDLESS FILAMENTS AND DEVICE FOR PRODUCING SPUNBOND NONWOVEN FABRIC

Title (de)
SPUNBOND-VLIESSTOFF AUS ENDLOSFILAMENTEN UND VORRICHTUNG ZUR ERZEUGUNG DES SPUNBOND-VLIESSTOFFES

Title (fr)
NON-TISSÉ OBTENUES PAR FUSION-SOUFFLAGE DES FILAMENTS CONTINUS ET DISPOSITIF DE PRODUCTION DE NON-TISSÉ
OBTENUES PAR FUSION-SOUFFLAGE

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Application
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Abstract (en)
[origin: CA3138612A1] The invention relates to a spunbond nonwoven material made of continuous filaments, in particular crimped continuous filaments, the filaments being in the form of bicomponent filaments or multicomponent filaments and having an eccentric sheath-core configuration. The sheath of the filaments, in the filament cross-section, has a constant thickness d over at least 20% of the filament circumference.

Abstract (de)
Spunbond-Vliesstoff aus Endlosfilamenten, insbesondere aus gekräuselten Endlosfilamenten, wobei die Filamente als Bikomponentenfilamente bzw. Multikomponentenfilamente ausgebildet sind und eine exzentrische Kern-Mantel-Konfiguration aufweisen. Der Mantel der Filamente weist im Filamentquerschnitt gesehen über zumindest 20 % des Filamentumfangs eine konstante Dicke d auf.

IPC 8 full level
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D10B 2331/04 (2013.01 - US)

Citation (search report)
• [XI] JP 2003013354 A 20030115 - TORAY INDUSTRIES
• [XI] US 2004110442 A1 20040610 - RHIM HANNONG [US], et al
• [XI] WO 2018110523 A1 20180621 - TORAY INDUSTRIES [JP]
• [A] WO 9621759 A1 19960718 - KANEBO LTD [JP], et al

Cited by
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