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- Monwoven fabrics and method for producing them.
- (57) Nonwoven fabrics contain at least 30 % by weight of heat-adhesive composite fibers consisting of core portion and sheath portion, said core portion being of the side-by-side type composite structure comprising two core components of different polypropylene base polymers in a composite ratio of 1:2 to 2:1, one of said core components having a Q value, expressed in terms of the weight-average molecular weight/the number-average molecular weight, equal to or higher than 6 and the other having a Q value equal to or lower than 5, and said sheath portion meeting at least the requirement that it should compirse a sheath component of a polyethylene base polymer having a melting point lower by at least 20 °C than the lower one of the melting Nopoints of said two core components. The nonwoven fabrics are bulky and soft due to the crimps of the heat-adhesive composite fibers resultant from the core portion and are stabilized by the inter-fiber bonds of the sheath portion.



## **EUROPEAN SEARCH REPORT**

EP 87 11 4967

Category	Citation of document with indicat	ion, where appropriate.	Relevant	CLASSIFICATION OF THE	
Cutchory	of relevant passages	3	to claim	APPLICATION (Int. Cl. 4)	
A	FR-A-2 368 554 (CHISSO * Columns 1,2,4,5,11-18 - page 10, line 33; page 13, line 26; example	3; page 2, line 5 de 11. line 29 -	1-9	D 04 H 1/54	
A	US-A-4 211 819 (K. KUM * Columns 1,5; column 1 column 3, line 50; exam	l, line 49 -	1		
	•			TECHNICAL FIELDS SEARCHED (Int. Cl.4)	
				D 04 H	
	The present search report has been d	rawn up for all claims			
<del></del>	Place of search	Date of completion of the search	<u> </u>	Examiner	
THE HAGUE		26-05-1989	BLA:	SBAND I.	
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure		after the filing d D : document cited i L : document cited f	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons  &: member of the same patent family, corresponding		