

Title (en)  
Method for fastening a non-woven fabric

Title (de)  
Verfahren zur Verfestigung eines Faservlieses

Title (fr)  
Procédé de consolidation d'un non-tissé

Publication  
**EP 2428603 A1 20120314 (DE)**

Application  
**EP 10009534 A 20100914**

Priority  
EP 10009534 A 20100914

Abstract (en)  
Solidifying a nonwoven fabric by water jet treatment is claimed, where the nonwoven fabric contains flat fibers with a ratio of width B to thickness D is of B:D>= 10:11. An independent claim is also included for the spunlaced nonwoven fabric comprising flat fibers with a ratio of width B to thickness D is B:D>= 10:1.

Abstract (de)  
Die Erfindung betrifft ein Verfahren zur Verfestigung eines Faservlieses mittels Wasserstrahlbehandlung. Das erfindungsgemäße Verfahren ist dadurch gekennzeichnet, dass das Faservlies Flachfasern mit einem Verhältnis von Breite B zu Dicke D von B:D #¥ 10:1 enthält. Die Flachfasern sind bevorzugt cellulosische Fasern, insbesondere nach dem Viskoseverfahren erhaltene kollabierte Hohlfasern.

IPC 8 full level  
**D04H 1/46** (2012.01)

CPC (source: EP KR US)  
**D04H 1/425** (2013.01 - EP US); **D04H 1/4258** (2013.01 - EP KR US); **D04H 1/43912** (2020.05 - EP KR US); **D04H 1/43914** (2020.05 - EP KR US); **D04H 1/46** (2013.01 - KR); **D04H 1/492** (2013.01 - EP KR US); **D06C 29/005** (2013.01 - KR US)

Citation (applicant)  
• GB 945306 A 19631223 - LIPACO SA  
• US 3156605 A 19641110 - ANDERER JOSEPH H, et al  
• US 3318990 A 19670509 - YOICHI KAJITANI  
• GB 1063217 A 19670330 - KURASHIKI RAYON KK  
• C.R, WOODINGS; A. J. BARTHOLOMEW: "The manufacture properties and uses of inflated viscose rayon fibres", TAPPI NONWOVENS SYMPOSIUM, 1985, pages 155 - 165, Retrieved from the Internet <URL:http://www.nonwovett.co.uk/publications cat4.ohp>

Citation (search report)  
[X1] WO 2006134132 A1 20061221 - KELHEIM FIBRES GMBH [DE], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2428603 A1 20120314**; BR 112013005857 A2 20160517; BR 112013005857 B1 20200728; CN 103080397 A 20130501; CN 103080397 B 20170426; EP 2616578 A1 20130724; EP 2616578 B1 20141112; IL 225101 A 20170529; JP 2013537263 A 20130930; KR 101889112 B1 20180816; KR 20130139859 A 20131223; US 2019194846 A1 20190627; WO 2012034934 A1 20120322

DOCDB simple family (application)  
**EP 10009534 A 20100914**; BR 112013005857 A 20110909; CN 201180043933 A 20110909; EP 11752567 A 20110909; EP 2011065621 W 20110909; IL 22510113 A 20130307; JP 2013527615 A 20110909; KR 20137004388 A 20110909; US 201113821843 A 20110909