

Title (en)  
NONWOVEN CLOTH

Title (de)  
VLIESSTOFF

Title (fr)  
TISSU NON TISSÉ

Publication  
**EP 2902537 A4 20160601 (EN)**

Application  
**EP 13842672 A 20130920**

Priority  
• JP 2012218854 A 20120928  
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Abstract (en)  
[origin: EP2902537A1] In order to address the problem of providing a nonwoven cloth provided with both improved softness and adequate thickness and specific volume, the present invention provides a nonwoven cloth having thermally fused composite fibers (F1, F2) that are mutually intersecting and overlapping, and a constricted thermally adhesive section (B1) in which the thermally fused composite fibers (F1, F2) are thermally fused in the intersection region (R1); wherein the constricted thermally adhesive section (B1) has a recessed surface facing a center line (A1) extending in a direction (Z1) overlapping with the thermally fused composite fibers across the center (P1) of the intersection region (R1), the distance between the thermally fused composite fibers (F1, F2) being larger than the sum of the radii of the thermally fused composite fibers, the thickness under a load of 3.0 gf/cm<sup>2</sup> being 0.5-3.0 mm, and the specific volume being 6-300 cm<sup>3</sup>/g.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
• [IY] WO 2011046065 A1 20110421 - KAO CORP [JP], et al  
• [A] EP 0105730 A2 19840418 - CHICOPEE [US]  
• [Y] EP 2189562 A1 20100526 - KAO CORP [JP]  
• See references of WO 2014050762A1

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**EP 2902537 A1 20150805; EP 2902537 A4 20160601; EP 2902537 B1 20170830**; AU 2013321216 A1 20150409; AU 2013321216 B2 20170914;  
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KR 102117135 B1 20200529; KR 20150060607 A 20150603; US 2015211157 A1 20150730; WO 2014050762 A1 20140403

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