

Title (en)  
CELLULOSE-BINDING FIBRES

Title (de)  
CELLULOSE BINDENDEN FASERN

Title (fr)  
FIBRES SE LIANT A LA CELLULOSE

Publication  
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Application  
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Abstract (en)  
[origin: WO9845519A1] The invention relates to drylaid nonwoven materials comprising bicomponent fibres comprising a low melting polyolefin component and a high melting polyolefin component, the low melting polyolefin component constituting at least a part of the surface of the fibre and comprising a non-grafted polyolefin component and a grafted polyolefin component, wherein the grafted polyolefin component has been grafted with an unsaturated dicarboxylic acid or an anhydride thereof, e.g. with maleic acid or maleic anhydride. The bicomponent fibres have an excellent bonding affinity for natural fibres such as cellulose pulp fibres and allow the production of airlaid nonwovens with reduced generation of dust during the production process and with improved nonwoven strength properties.

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Cited by  
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**WO 9845519 A1 19981015**; AU 6918298 A 19981030; BR 9809749 A 20000620; CA 2281802 A1 19981015; CA 2281802 C 20050524; CN 1106469 C 20030423; CN 1259178 A 20000705; DE 69808061 D1 20021024; DE 69808061 T2 20030814; DK 0973966 T3 20030127; EP 0973966 A1 20000126; EP 0973966 B1 20020918; ID 24606 A 20000727; IL 131586 A0 20010128; IL 131586 A 20030706; JP 2001518986 A 20011016; JP 3672324 B2 20050720; KR 100403057 B1 20031030; KR 20010005771 A 20010115; TW 436535 B 20010528

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