

Title (en)  
COMPONENT MADE OF NON-WOVEN NATURAL TEXTILE FIBRES, AND METHOD AND MACHINE FOR THE PRODUCTION THEREOF

Title (de)  
BAUTEIL AUS NATÜRLICHEN VLIESTEXTILFASERN SOWIE VERFAHREN UND MASCHINE ZU SEINER HERSTELLUNG

Title (fr)  
COMPOSANT CONSTITUÉ DE FIBRES TEXTILES NATURELLES NON TISSÉES, PROCÉDÉ ET MACHINE POUR SA PRODUCTION

Publication  
**EP 2739775 A1 20140611 (EN)**

Application  
**EP 12738195 A 20120611**

Priority  
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Abstract (en)  
[origin: WO2012160547A1] The present invention relates to a component consisting exclusively of non-woven natural textile fibres, and to a method and machine for the production thereof; the component (1 ) comprises a web (2) consisting exclusively of carded natural textile fibres which is pleated in the direction of the length and/or width of the component and which is needle-punched in the direction of the length and/or width of the component; the needle-punching affects only a central portion of a thickness of the component; its production is effected by: - continuously feeding (3) a long web (4) consisting exclusively of carded natural textile fibres towards a processing area (5), - repeatedly performing pleating operations on said web (4) according to a direction corresponding to the length of said web (4) by means of a pleating head (6) in said processing area (5), - repeatedly performing needle-punching operations on said pleated web (4) according to a direction corresponding to the length of said web (4) by means of a needle-punching head (7) in said processing area (5), in such a way as to needle-punch only a central portion of said thickness of said component, said central portion being in particular less than 80% of said thickness, and - continuously advancing (8) said pleated and needle-punched web (4) while distancing it from said processing area (5).

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Citation (search report)  
See references of WO 2012160547A1

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