Title (en)
NON-WOVEN MATERIAL WITH A MATRIX CONTAINING ELEMENTARY FILAMENTS

Title (de)
VLIESSTOFF MIT EINER ELEMENTARFILAMENTE ENTHALTENDEN MATRIX

Title (fr)
MATÉRIAU NON-TISSÉ DOTÉ DE FILAMENTS ÉLÉMENTAIRES CONTENANT UNE MATRICE

Publication
EP 2758580 A1 20140730 (DE)

Application
EP 12765995 A 20120911

Priority
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Abstract (en)
[origin: EP2573243A1] Producing a nonwoven fabric comprising at least two polymers, where the melting point of at least one first polymer is located above the melting point of at least a second polymer, comprises providing multicomponent fibers, which comprise at least two polymers having different melting points, and carrying out surface bonding of the multicomponent fibers by the application of a temperature of 100-300[deg] C and a pressure of 40-150 N/mm, such that at least one first polymer in the form of elementary segments are distributed in a matrix of at least one second polymer. Independent claims are also included for (i) the nonwoven fabric formed as a base material for coating with films produced by the above mentioned method, which exhibits a bending stiffness of 1-10 N/mm 2>, measured according to DIN 53 350at a bending angle of 10% and/or the bending stiffness of 2-13 N/mm 2>at the bending angle of 40%, and (ii) a composite material comprising at least one first layer, which include non-woven fabric and at least one second layer, preferably as a film.

IPC 8 full level
D04H 3/005 (2012.01); **D04H 3/14** (2012.01); **D04H 3/153** (2012.01)

CPC (source: EP)
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