

Title (en)
METHOD FOR THE PRODUCTION OF A TEAR PROPAGATION-RESISTANT TEXTILE SHEET MATERIAL, TEAR PROPAGATION-RESISTANT TEXTILE SHEET MATERIAL AND USE THEREOF

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES WEITERREISSFESTEN FLÄCHENGEBILDES, WEITERREISSFESTES FLÄCHENGEBILDE UND DESSEN VERWENDUNG

Title (fr)
PROCÉDÉ DE FABRICATION D'UN PRODUIT PLAT RÉSISTANT À LA PROPAGATION DE DÉCHIREMENT, PRODUIT PLAT RÉSISTANT À LA PROPAGATION DE DÉCHIREMENT ET UTILISATION

Publication
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Application
EP 08784596 A 20080702

Priority
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Abstract (en)
[origin: US2010209684A1] A method with which a textile sheet having good mechanical properties in respect to relatively high values regarding tear propagation resistance can be produced. The textile sheets are used in areas that require relatively high tear propagation resistance. The textile sheets also have relatively high peak tensile values and/or elongation at break values. The method for the production of a tear propagation-resistant textile sheet comprises providing a starting textile sheet made of yarns, fibers or filaments formed of at least two elementary filaments and having an arrangement in cross-section like orange segments or pie slices with the segments or slices made of different polymers, and exposing the starting textile sheet to a compressing heat treatment, wherein the polymer segments are permeated and a substantially non-adhesive bond is achieved between the polymer segments. The textile sheet may comprise nonwoven materials having a specific tear propagation resistance of equal to or greater than 0.4 N per g/m² (according to Zungen method, ASTM D 2261).

IPC 8 full level
D04H 1/54 (2012.01); **D04H 1/541** (2012.01); **D04H 3/007** (2012.01); **D04H 3/009** (2012.01); **D04H 3/011** (2012.01); **D04H 3/14** (2012.01); **D04H 3/147** (2012.01)

CPC (source: EP US)
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