

Title (en)

NONWOVEN FABRIC MADE OF CORE/SHEATH TYPE COMPOSITE FIBER AND PROCESS FOR PRODUCING THE SAME

Title (de)

VLIESSTOFF AUS KERNMANTELFASER UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

TISSU NON TISSE CONSTITUE D'UNE FIBRE COMPOSITE DE TYPE AME/GAINE ET SON PROCEDE DE FABRICATION

Publication

EP 1553223 B1 20081217 (EN)

Application

EP 03769909 A 20031017

Priority

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Abstract (en)

[origin: EP1553223A1] A nonwoven fabric is comprised of sheath-core type bicomponent continuous fibers. The core portion is consisted of a polyester and the sheath portion is consisted of a polyethylene. The polyethylene may be a mixture of the first polyethylene polymerized by metallocene catalyst and the second polyethylene polymerized by Ziegler-Natta catalyst. The configuration of the cross section of the core portion do not change along the axial direction. The core portion has the substantially same diameter. On the other, the thickness of the sheath portion is changed irregularly and at random along the axial direction and circular direction of the fiber. That is, the surface of the sheath portion is irregular unevenness. Therefore, the nonwoven fabric containing the bicomponent fibers is very soft. The nonwoven fabric may be obtained by accumulating the fibers which are melt spun out sheath-core type spinning holes. The polyester is provided to each core hole, and the polyethylene is provided to each sheath hole of the spinning holes. <IMAGE>

IPC 8 full level

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