

Title (en)
METHOD FOR REINFORCING A WEB OF NONWOVEN FABRIC BY MEANS OF NEEDLING

Title (de)
VERFAHREN ZUM VERFESTIGEN EINER FASERVliesBAHN DURCH VERNADELUNG

Title (fr)
PROCEDE DE CONSOLIDATION D'UNE BANDE DE NON-TISSE PAR AIGUILLETAGE

Publication
EP 1644565 B1 20060809 (DE)

Application
EP 04764967 A 20040908

Priority
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• DE 10346472 A 20031002

Abstract (en)
[origin: US7117571B2] A system and method for reinforcing a textile web of a fiber web or a fiber fleece by needling in a plurality of directly successive steps are provided, in which the web is needed from both sides with a high needle density in an alternating manner and in the state of the needles stitched into the web is transported through a movement of the needles which extends in the longitudinal direction of the web, where each needle in a stitching-in movement grasps merely a single fiber, having a gauge of 1 to 2 dtex, from the web. By the aid of the invention very thin fleeces can be produced without damaging same during their processing.

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CPC (source: EP US)
D04H 1/46 (2013.01 - EP US); **D04H 18/00** (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US)

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WO 2005033396 A1 20050414; **WO 2005033396 B1 20050602**; AT E335875 T1 20060915; CN 100510224 C 20090708; CN 1863958 A 20061115; DE 10346472 A1 20050512; DE 502004001174 D1 20060921; EP 1644565 A1 20060412; EP 1644565 B1 20060809; US 2006174462 A1 20060810; US 7117571 B2 20061010

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