

Title (en)

Process and installation for manufacturing a textile comprising inner layers and device relating to the same

Title (de)

Verfahren und Anlage zum Herstellen eines textiles Gebildes mit Zwischenlagen und Vorrichtung

Title (fr)

Procédé et installation pour fabriquer un textile comportant des intercouches, et dispositif s'y rapportant

Publication

EP 1900863 A1 20080319 (FR)

Application

EP 07291076 A 20070907

Priority

FR 0608115 A 20060915

Abstract (en)

The process for fabricating an authentic textile having fibrous web layers and intercalated layers, comprises forming a continuous sandwich with nanofibre/nanofilament layers between two non-woven elementary webs (13, 23) and sandwich layer in a lapping machine (43). The two non-woven elementary webs are fabricated in a card (3). The nanofibre/nanofilament layers are produced within a space (6) located between the two elementary webs, where the layers are formed by electrostatic deposition of fibers against a side of the elementary webs. The process for fabricating an authentic textile having fibrous web layers and intercalated layers, comprises forming a continuous sandwich with nanofibre/nanofilament layers between two non-woven elementary webs (13, 23) and sandwich layer in a lapping machine (43). The two non-woven elementary webs are fabricated in a card (3). The nanofibre/nanofilament layers are produced within a space (6) located between the two elementary webs, where the layers are formed by electrostatic deposition of fibers against a side of the elementary webs. The elementary webs are assembled with interposition of the nanofibre/nanofilament layers for introducing into the lapping machine. An independent claim is included for a device for fabricating a textile having fibrous web layers and intercalated layers.

Abstract (fr)

Une carte (3) produit deux voiles élémentaires (13, 23) qui se regroupent en un point (4) avant de pénétrer dans un étaleur-nappeur (43). On forme une couche intercalaire (42) entre les deux voiles élémentaires (13, 23), qui forment ainsi avec cette couche (42) un sandwich (47) à leur entrée dans l'étaleur-nappeur (43). La couche intercalaire (42) est obtenue par dépôt, notamment électrostatique, contre la face inférieure du voile élémentaire supérieur (13). Utilisation pour obtenir en sortie d'étaleur-nappeur un textile dans lequel des couches de fibres alternent avec des couches intercalaires composées par exemple de nanofibres.

IPC 8 full level

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CPC (source: EP)

D01G 15/46 (2013.01); **D01G 25/00** (2013.01); **D04H 1/728** (2013.01); **D04H 1/74** (2013.01); **D04H 13/00** (2013.01)

Citation (applicant)

- WO 2006108363 A2 20061019 - ELMARCO SRO [CZ], et al
- FR 2770855 A1 19990514 - ASSELIN [FR]
- CH 239576 A 19451031 - EUROPAEISCHE HOLDING INTERCITO [CH]

Citation (search report)

- [X] CH 239576 D
- [PX] WO 2006108363 A2 20061019 - ELMARCO SRO [CZ], et al
- [A] FR 2770855 A1 19990514 - ASSELIN [FR]

Cited by

WO2012049457A1; CN103221592A; CN101838887A; CN101892599A; US11585018B2; WO2012059273A1; WO2013144748A1; WO2020025640A1; WO2008083637A1

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