

Title (en)
Method for operating a non-woven fabric layer

Title (de)
Verfahren zum Betrieb eines Vlieslegers

Title (fr)
Procédé destiné au fonctionnement d'un étaleur-nappeur

Publication
EP 2537967 A1 20121226 (DE)

Application
EP 11170544 A 20110620

Priority
EP 11170544 A 20110620

Abstract (en)
Operating cross lapper (2) for placing a fleece made of a gauze web (6), comprises (a) providing a cross-lapper comprising an upper carriage (30), a laying carriage (10), through which the gauze web coming from the upper carriage is guided and serves for delivering the gauze web on a output conveyor belt, and at least two gauze conveyor belts (16) for guiding the gauze web in the cross lapper towards the laying carriage, and (b) providing a device that is upstream to the cross lapper or is integrated in the inlet region, for temporarily altering speed of the gauze web. Operating cross lapper (2) for placing a fleece made of a gauze web (6), comprises (a) providing a cross-lapper comprising an upper carriage (30) that is movable in transverse direction, through which the gauze web produced by a web producer is guided, a laying carriage (10) that is movable in the transverse direction, through which the gauze web coming from the upper carriage is guided, and the gauze web is delivered on a output conveyor belt, and at least two gauze conveyor belts (16) for guiding the gauze web in the cross lapper towards the laying carriage, and (b) providing a device that is upstream to the cross lapper or is integrated in the inlet region, for temporarily altering speed of the gauze web, where the gauze web is guided to the cross lapper with variable gauze entering speed. The upper carriage and the laying carriage are moved back and forth in a laying cycle substantially in the same direction by round trip. The laying carriage is moved back and forth in each laying cycle between two clearly defined reversal points. The average of the amount of the laying carriage speed on the outward journey of the laying carriage in each laying cycle or at least in some laying cycles is different to the average of the amount of the laying carriage speed on the return journey of the laying carriage, and the average of the amount of the laying carriage speed in each laying cycle or at least in some laying cycles during the outward journey of the laying carriage is different to double the average of the amount of the upper carriage speed during the outward journey of the laying carriage.

Abstract (de)
Das Verfahren zum Betrieb eines Vlieslegers (2) zum Legen eines Vlieses aus einer Florbahn (6) umfasst das Bereitstellen eines als Gleichläufer ausgebildeten Vlieslegers (2), dem die Florbahn (6) mit variabler Floreinlaufgeschwindigkeit (V) zugeführt wird. Um den heckseitigen Platzbedarf des Oberwagens (30) zu begrenzen, ist der Durchschnitt des Betrags der Legewagengeschwindigkeit (W) auf der Hinfahrt des Legewagens (10) in jedem Legezyklus oder zumindest in manchen Legezyklen verschieden zum Durchschnitt des Betrags der Legewagengeschwindigkeit (W) auf der Rückfahrt des Legewagens (10), und der Durchschnitt des Betrags der Legewagengeschwindigkeit (W) ist in jedem Legezyklus oder zumindest in manchen Legezyklen während der Hinfahrt des Legewagens (10) verschieden zum Doppelten des Durchschnitts des Betrags der Oberwagengeschwindigkeit (U) während der Hinfahrt des Legewagens (10).

IPC 8 full level
D01G 25/00 (2006.01); **D04H 1/74** (2006.01)

CPC (source: EP US)
D01G 25/00 (2013.01 - EP US); **D04H 1/70** (2013.01 - EP US); **D04H 1/736** (2013.01 - EP US)

Citation (applicant)
• WO 9924650 A1 19990520 - ASSELIN [FR]
• EP 1532302 B1 20060405 - AUTEFA AUTOMATION GMBH [DE]
• EP 1381721 B1 20060607 - AUTEFA AUTOMATION GMBH [DE], et al

Citation (search report)
• [AD] EP 1381721 B1 20060607 - AUTEFA AUTOMATION GMBH [DE], et al
• [A] EP 1897979 A2 20080312 - ASSELIN THIBEAU [FR]
• [A] DE 4010174 A1 19911002 - HOLLINGSWORTH GMBH [DE]
• [A] US 3877628 A 19750415 - ASSELIN ROBERT, et al

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