

Title (en)
Device for laying a fibre web evenly

Title (de)
Anlage zum gleichmäßigen Legen eines Vlieses

Title (fr)
Installation de dépose régulière d'un voile de fibres

Publication
EP 2169095 A1 20100331 (DE)

Application
EP 08017137 A 20080929

Priority
EP 08017137 A 20080929

Abstract (en)
A plant for evenly laying a non-woven (17), formed from gauze sheet (16), having a laying device (15) with a laying carriage and conveyor belts (21) for guiding the gauze sheet into a delivery gap on the carriage, includes gauze edge adjusting device(s) (30), integrated into or upstream of the laying device, for altering the gauze width profile based on stored permitted values or width profile values determined by sensor(s) (32). A plant for evenly laying a non-woven (17), formed from gauze sheet (16), has (a) a non-woven laying device (15) with a laying carriage movable transverse to and above a take-off conveyor belt (1) and (b) at least two gauze conveyor belts (21) for guiding the gauze sheet into a delivery gap formed on the laying carriage. The novel feature is that the plant also has gauze edge adjusting device(s) (30), integrated into or upstream of the laying device, for altering the width profile of the gauze sheet based on (i) permitted values for the specific laying procedure, stored in a memory, or (ii) width profile values determined by sensor(s) (32) located in or downstream of the laying device. An independent claim is included for a corresponding non-woven laying method, including providing a non-woven laying device (17) with a laying carriage and gauze conveyor belts (21) as above, in which controlled adjustment of the gauze sheet edges is carried out upstream of or within the laying device, based on (i) ruling magnitudes for the specific laying procedure, stored in a memory, or (ii) width profile values determined by sensor(s) (32) located in or downstream of the laying device.

Abstract (de)
Die Anlage zum gleichmäßigen Legen eines Vlieses (17) aus einer Florbahn (16) weist einen Vliesleger (15) mit einem quer zu einem Abliefertransportband (1) oberhalb desselben beweglichen Legewagen (3) sowie zwei Flortransportbändern (11, 21) zur Führung der Florbahn (16) in einen am Legewagen (3) ausgebildeten Abgabespalt auf. Außerdem weist die Anlage mindestens eine Vorrichtung (30) zur Veränderung der Florbahnränder auf, welche in den Vliesleger (15) integriert oder dem Vliesleger (15) vorgeschaltet ist und geeignet ist, das Breitenprofil der Florbahn (16) auf Basis von in einem Speicher hinterlegten Gesetzmäßigkeiten des spezifischen Legevorgangs oder auf Basis von durch mindestens einen im oder hinter dem Vliesleger (15) angeordneten Sensor (32) erfassten Ist-Werten des Breitenprofils der Florbahn (16) zu verändern.

IPC 8 full level
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CPC (source: EP)
D01G 25/00 (2013.01); **D04H 1/00** (2013.01); **D04H 1/74** (2013.01)

Citation (applicant)
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• EP 0522893 A2 19930113 - ASSELIN ETS [FR]
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