

Title (en)
Non-woven fabric laying machine and method for laying a non-woven fabric

Title (de)
Vlieslegemaschine und Verfahren zum Legen eines Vlieses

Title (fr)
Machine de pose de non tissu et procédé de pose de non tissé

Publication
EP 2420604 B1 20190410 (DE)

Application
EP 11177226 A 20110811

Priority
DE 102010034777 A 20100818

Abstract (en)
[origin: EP2420604A2] System for forming nonwoven fiber, comprises a machine (2) comprising at least one disintegrating roller for nonwoven fabric formation, and a delivery system (1) for the formed nonwoven fabric. The axis (3) of the disintegrating roller is arranged at an angle (α) between ± 8 to ± 80 to the delivery direction (FFL) of the formed nonwoven fabric. Independent claims are also included for: (1) producing at least two nonwoven fabric layers, which comprises nonwoven fabric of staple fibers, comprising orderly placing the nonwoven fabric layer, and forming the nonwoven fabric layer with a main fiber orientation at an angle to a nonwoven fabric transport direction, and orderly placing another nonwoven fabric layer and forming the nonwoven fabric layer with a main fiber orientation in an approximately opposite angle; and (2) the nonwoven fabric produced by the above method, comprising 2-4 layers made of staple fibers, in which the main fiber orientation of at least two of the layers are intersected in an angle of 60-20[deg] .

IPC 8 full level
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