

Title (en)
Non-woven gauze product and method and system for manufacturing the same

Title (de)
Vliesverbandmullprodukt und Verfahren und System zur Herstellung davon

Title (fr)
Produit de gaze non tissé et procédé et système servant à le fabriquer

Publication
EP 3048197 B1 20180418 (EN)

Application
EP 15152391 A 20150123

Priority
EP 15152391 A 20150123

Abstract (en)
[origin: EP3048197A1] Disclosed are non-woven gauze product and a method and system for manufacturing the same. The spunlace device includes a second spunlace machine having a shaping layer on the surface, the shaping layer is provided thereon with pointed projections having tapered tops disposed in a matrix arrangement, each pointed projection has a bottom of rectangular cross-section, the bottom size of each pointed projection is larger than the bottom distance between two adjacent pointed projections. A non-woven cloth having rectangular holes in an array layout is formed by water jetting the fiber-web at the second spunlace machine. The rectangular holes in an array layout are presented in a flat structure having warp and weft, and the dimension of each rectangular hole is larger than the line width of warp and weft. The structure and features of such non-woven cloth are similar to those of gauze, so the non-woven cloth can be a substitute for the current gauze. With this invention, a gauze-like non-woven cloth is achieved by utilizing the disclosed manufacturing process of spunlace non-woven cloth herein, and the corresponding manufacturing method has advantages of short production period and low cost, which reduces the cost of such non-woven gauze product.

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