

Title (en)

Maufacture of wet laid nonwoven webs.

Title (de)

Herstellung von nassgelegten, nichtgewebten Faserbahnen.

Title (fr)

Fabrication de bandes fibreuses non tissées par voie humide.

Publication

EP 0286318 A2 19881012 (EN)

Application

EP 88302889 A 19880330

Priority

US 3505987 A 19870406

Abstract (en)

A method for forming a non-woven fabric web by wet-laying fibers on paper-making equipment, the web comprising staple length natural or synthetic fibers and wood cellulose paper-making fibers wherein a water furnish of the fibers is made up with a nonionic associative thickener in the absence of a conventional surfactant. A preferred associative thickener for use with hydrophobic fibers is a nonionic urethane block copolymer having a polyethylene glycol backbone, the associative thickener acting as both surfactant and thickener. With predominately cellulosic fibers, i.e. conventional wood cellulose fibers, or a mixture of conventional and contorted wood fibers, and synthetic cellulosic fibers, such as rayon, a nonionic hydroxyethyl cellulose having a long alkyl side chain is preferred. Excellent consistency of the water fiber dispersion is obtained at relatively low viscosity with rapid drainage of water from the wire and uniform formation of the non-woven fabric.

IPC 1-7

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IPC 8 full level

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