

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 B1 19950524 (EN)**

Application

**EP 88302889 A 19880330**

Priority

US 3505987 A 19870406

Abstract (en)

[origin: EP0286318A2] 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

**D21F 11/00**; **D21H 21/06**

IPC 8 full level

**D04H 1/70** (2006.01); **D21F 11/00** (2006.01); **D21H 21/06** (2006.01); **D21H 13/02** (2006.01); **D21H 15/06** (2006.01); **D21H 17/57** (2006.01)

CPC (source: EP)

**D21F 11/004** (2013.01); **D21H 21/06** (2013.01); **D21H 13/02** (2013.01); **D21H 15/06** (2013.01); **D21H 17/57** (2013.01)

Cited by

EP0806508A4; US6274522B1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

**EP 0286318 A2 19881012**; **EP 0286318 A3 19901031**; **EP 0286318 B1 19950524**; DE 3853848 D1 19950629; DE 3853848 T2 19950921; FI 881557 A0 19880405; FI 881557 A 19881007; JP S63282349 A 19881118

DOCDB simple family (application)

**EP 88302889 A 19880330**; DE 3853848 T 19880330; FI 881557 A 19880405; JP 8238688 A 19880405