

Title (en)
Water-absorbent nonwoven fabric and process for producing same

Title (de)
Wasserabsorbierender Vliesstoff und Verfahren zur Herstellung

Title (fr)
Non-tissé absorbant l'eau et procédé de production

Publication
EP 0638679 B1 19991027 (EN)

Application
EP 94305926 A 19940810

Priority
JP 21791293 A 19930811

Abstract (en)
[origin: EP0638679A1] A nonwoven fabric having an excellent water absorption, a satisfactory softness and hand feeling, and a superior processability and wet mechanical strength, comprises synthetic fibers and water-absorbent cellulosic fibers intertwined with each other, the water-absorbent cellulosic fibers comprising cross-linked carboxymethyl cellulose fibers having a carboxymethyl group-substitution degree of 0.35 to 1.6, and being produced by forming a precursory nonwoven web from the synthetic fibers and cellulose fibers intertwined with each other, and carboxy methylating and cross-linking separately or simultaneously the cellulose fibers in the precursory nonwoven fabric by using a carboxymethylating agent and a cross-linked agent, to convert the precursory nonwoven web to a water-absorbent nonwoven fabric.

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D04H 1/42

IPC 8 full level
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D04H 1/425 (2013.01 - EP); **D04H 1/43835** (2020.05 - EP US)

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