

Title (en)

Non woven wet-laid product and process for making the same.

Title (de)

Nassverlegter Mehrlagenvliesstoff und Verfahren zu seiner Herstellung.

Title (fr)

Matériau complexe non tissé obtenu par voie humide et procédé pour son obtention.

Publication

EP 0396476 A1 19901107 (FR)

Application

EP 90420152 A 19900327

Priority

FR 8905769 A 19890425

Abstract (en)

The nonwoven composite material obtained by a wet route, consisting of at least two sheets of superposed fibrous substances bonded together. It is characterised in that: - one sheet is at least partially based on fibres which are relatively rigid in aqueous medium; - the other sheet comprises at least a part of fibres which are flexible in aqueous medium, the abovementioned two sheets being joined together by needling using fluid acting at least on the side of the flexible fibre sheet, the said needling operation being carried out on the manufacturing machine while the elementary sheets are formed but not yet dried.

IPC 1-7

D21H 27/38

IPC 8 full level

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CPC (source: EP)

D21H 27/38 (2013.01); **D21H 13/24** (2013.01); **D21H 13/40** (2013.01); **D21H 13/48** (2013.01)

Citation (search report)

- [A] FR 1600269 A 19700720
- [AD] US 3508308 A 19700428 - BUNTING WILLIAM WALLAR JR, et al
- [A] FR 2328073 A1 19770513 - TENAGIL [FR]

Cited by

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Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0396476 A1 19901107; EP 0396476 B1 19930825; DE 69002862 D1 19930930; DE 69002862 T2 19931223; ES 2044505 T3 19940101;
FR 2646177 A1 19901026; FR 2646177 B1 19910614

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