

Title (en)
A nonwoven fabric for buffing applications

Title (de)
Vliesstoffe zum polieren

Title (fr)
Un non-tissé destine a des applications de polissage

Publication
EP 1752574 A1 20070214 (EN)

Application
EP 06017538 A 20010531

Priority
• EP 01939787 A 20010531
• US 20939800 P 20000601

Abstract (en)
A method of forming a nonwoven fabric suitable for metal-finishing buffing operations includes providing a precursor web comprising polyester, staple length fibers, with hydroentanglement of the web effected to impart desired physical characteristics. Hydroentanglement is effected on a three-dimensional, image transfer device having an array of three-dimensional surface elements for patterning the fabric which is formed. Application of a binder composition lends desired durability to the fabric, with the binder composition preferably including a melamine polymeric composition to achieve the desired strength and abrasion resistance

IPC 8 full level
D04H 1/00 (2006.01); **B24D 11/00** (2006.01); **B24D 13/14** (2006.01); **B32B 3/10** (2006.01); **B32B 5/26** (2006.01); **B32B 7/08** (2006.01); **D04H 1/46** (2012.01); **D04H 1/48** (2012.01); **D04H 1/64** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP)
B24D 11/001 (2013.01); **B24D 13/147** (2013.01); **D04H 1/48** (2013.01); **D04H 1/49** (2013.01); **D04H 1/495** (2013.01); **D04H 1/587** (2013.01); **D04H 1/64** (2013.01); **D04H 18/04** (2013.01)

Citation (applicant)
• US 3485706 A 19691223 - EVANS FRANKLIN JAMES
• US 5098764 A 19920324 - BASSETT ALTON H [US], et al
• US 5989113 A 19991123 - ARNOLD THEO [FR]

Citation (search report)
• [DA] US 5098764 A 19920324 - BASSETT ALTON H [US], et al
• [A] EP 0333228 A2 19890920 - KIMBERLY CLARK CO [US]
• [DA] US 3485706 A 19691223 - EVANS FRANKLIN JAMES

Cited by
DE102008033253A1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 1752574 A1 20070214

DOCDB simple family (application)
EP 06017538 A 20010531