

Title (en)
Cleaning articles, substrates therefor, and method of substrate manufacture

Title (de)
Reinigungsartikel, Substrat dafür und sein Herstellungsverfahren

Title (fr)
Produits de nettoyage, substrat à cet effet, et procédé de sa fabrication

Publication
EP 0750063 A1 19961227 (EN)

Application
EP 95304447 A 19950623

Priority
EP 95304447 A 19950623

Abstract (en)
A non-woven, fibrous substrate is described for use in a cleaning article such as a wet wipe. The substrate has a toughness of less than 0.6 Nm, and comprises a proportion of long fibres, typically at least 2 or 3cm in length, which are capable of protruding from the surface of the substrate as a result of rubbing which takes place when the substrate is used for cleaning, whilst remaining attached to the substrate. The substrate is preferably made by hydroentangling using low power jets of water. <IMAGE>

IPC 1-7
D04H 1/46

IPC 8 full level
A47K 7/00 (2006.01); **A47L 13/16** (2006.01); **A47L 17/00** (2006.01); **A47L 25/00** (2006.01); **A61K 8/00** (2006.01); **A61K 8/64** (2006.01); **A61K 8/88** (2006.01); **A61K 8/89** (2006.01); **A61K 8/91** (2006.01); **A61Q 19/10** (2006.01); **C08L 83/04** (2006.01); **D04H 1/4258** (2012.01); **D04H 1/4266** (2012.01); **D04H 1/4291** (2012.01); **D04H 1/435** (2012.01); **D04H 1/492** (2012.01); **D04H 1/74** (2006.01); **D04H 18/04** (2012.01)

CPC (source: EP KR)
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Citation (search report)

- [A] EP 0468799 A1 19920129 - JOHNSON & JOHNSON [CA]
- [A] EP 0166060 A2 19860102 - SPONTEX SA [FR]
- [A] US 5292581 A 19940308 - VIAZMENSKY HELEN [US], et al
- [A] DATABASE WPI Section Ch Week 9335, Derwent World Patents Index; Class A97, AN 93-277507

Cited by
US5895623A; EP1167605A1; EP1211342A1; EP1167510A1; EP1005845A1; US6340663B1; US7592019B2; US6753063B1; WO0141622A2; US10617576B2; WO2004020725A1; US6716805B1; EP2256182A2; WO0032143A1; WO0141622A3; WO0200084A3; US11753603B2; US11959045B2

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