

Title (en)

SYNTHETIC CLOTH, METHOD AND SYSTEM FOR THE PRODUCTION OF SAID CLOTH

Title (de)

VOLLSYNTHETISCHES WISCHTUCH, VERFAHREN UND ANLAGE ZUR HERSTELLUNG DES WISCHTUCHES

Title (fr)

TORCHON ENTIEREMENT SYNTHETIQUE, PROCEDE ET DISPOSITIF DE REALISATION DU TORCHON

Publication

EP 1649094 A1 20060426 (DE)

Application

EP 04766205 A 20040713

Priority

- EP 2004051474 W 20040713
- DE 10332415 A 20030716
- DE 10345086 A 20030725

Abstract (en)

[origin: WO2005007959A1] Prior art cloths used for wet and moist cleaning are made of non-woven, shrinking polyvinyl alcohol fibres vortexed by a jet of water, said fibres being secured by a polyvinyl alcohol binding agent. The inventive cloth is made of pure polyvinyl alcohol fibres which do not shrink when used in normal conditions, said fibres being vortexed together in order to increase resistance and being additionally soaked with a binding agent containing a polyhydroxyl group. Softeners are chemically joined thereto and can no longer be separated after foaming and subsequent polycondensation.

IPC 1-7

D04H 1/42; **D04H 1/46**; **D04H 1/48**; **D04H 1/64**; **A47L 13/16**

IPC 8 full level

D04H 1/48 (2012.01); **A47L 13/16** (2006.01); **D04H 1/42** (2012.01); **D04H 1/4309** (2012.01); **D04H 1/46** (2012.01); **D04H 1/488** (2012.01); **D04H 1/58** (2012.01); **D04H 1/587** (2012.01); **D04H 1/645** (2012.01); **D04H 1/68** (2012.01)

CPC (source: EP)

A47L 13/16 (2013.01); **D04H 1/4309** (2013.01); **D04H 1/46** (2013.01); **D04H 1/587** (2013.01); **D04H 1/645** (2013.01); **D04H 1/655** (2013.01); **D04H 1/68** (2013.01); **D10B 2321/06** (2013.01)

Citation (search report)

See references of WO 2005007959A1

Cited by

US11591755B2; US11255051B2; US11313061B2; US11788221B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005007959 A1 20050127; AT E373130 T1 20070915; BR PI0412663 A 20060926; DE 502004004972 D1 20071025; EP 1649094 A1 20060426; EP 1649094 B1 20070912; RU 2006100649 A 20070827

DOCDB simple family (application)

EP 2004051474 W 20040713; AT 04766205 T 20040713; BR PI0412663 A 20040713; DE 502004004972 T 20040713; EP 04766205 A 20040713; RU 2006100649 A 20040713