

Title (en)
NONWOVEN FABRIC, USE OF THE NONWOVEN FABRIC AND WIPE, DRYER CLOTH AND FACE MASK CONTAINING THE NONWOVEN FABRIC

Title (de)
VLIESTOFF, VERWENDUNG DES VLIESTOFFES UND WISCHTUCH, TROCKNERTUCH SOWIE GESICHTSMASKE ENTHALTEND DEN VLIESTOFF

Title (fr)
NON-TISSÉ, UTILISATION DU NON-TISSÉ ET CHIFFON, TOILE DE SÉCHAGE AINSI QUE MASQUE POUR LE VISAGE COMPORTANT DU NON-TISSÉ

Publication
EP 3604652 B1 20230906 (DE)

Application
EP 18186541 A 20180731

Priority
EP 18186541 A 20180731

Abstract (en)
[origin: WO2020025440A1] The invention relates to a nonwoven material (100, 101) and to a wiping cloth (200), a face mask (300) and a drying cloth (400) comprising the nonwoven material (100, 101), having a network (1) of shaped bodies (2), wherein the nonwoven material (100, 101) in the dry state has a specific opacity of greater than or equal to 1.0 %•m²/g. In order to create a nonwoven material (100, 101) having a low mass per unit area which can be produced easily and has a high specific opacity without special modifications, it is proposed that the shaped bodies (2) are regenerated cellulosic shaped bodies (2) and are integrally connected to one another by node points (3) to the network (1), wherein the regenerated cellulosic shaped bodies (2) comprise individual filament portions (4) which extend between node points (3) and which vary in diameter (7) along their longitudinal extension (6) and over at least 90% of their longitudinal extension (6) have a diameter (7) of less than or equal to 15 µm.

IPC 8 full level
D01D 5/14 (2006.01); **A45D 44/00** (2006.01); **D01D 5/20** (2006.01); **D01F 2/00** (2006.01); **D04H 1/4258** (2012.01); **D04H 3/013** (2012.01); **D04H 3/02** (2006.01); **D04H 3/045** (2012.01)

CPC (source: EP KR US)
A45D 44/002 (2013.01 - EP KR US); **D01D 5/14** (2013.01 - KR US); **D01D 5/20** (2013.01 - EP KR US); **D01F 2/00** (2013.01 - EP KR); **D01F 2/06** (2013.01 - US); **D04H 1/4258** (2013.01 - EP KR US); **D04H 3/013** (2013.01 - EP KR US); **D04H 3/02** (2013.01 - EP KR); **D04H 3/045** (2013.01 - EP KR); **A45D 2200/1027** (2013.01 - EP KR US); **D01D 5/14** (2013.01 - EP); **D10B 2501/04** (2013.01 - US); **D10B 2503/00** (2013.01 - US); **D10B 2509/026** (2013.01 - US)

Cited by
EP4163430A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3604652 A1 20200205; **EP 3604652 B1 20230906**; BR 112020026898 A2 20210330; CN 112513357 A 20210316; CN 112513357 B 20230711; ES 2964861 T3 20240409; JP 2021533280 A 20211202; JP 7477241 B2 20240501; KR 20210035876 A 20210401; TW 202024420 A 20200701; US 2021164138 A1 20210603; US 2024068140 A1 20240229; WO 2020025440 A1 20200206

DOCDB simple family (application)
EP 18186541 A 20180731; BR 112020026898 A 20190725; CN 201980051134 A 20190725; EP 2019070035 W 20190725; ES 18186541 T 20180731; JP 2021505742 A 20190725; KR 20217005698 A 20190725; TW 108124862 A 20190715; US 201917263314 A 20190725; US 202318387303 A 20231106