

Title (en)

WET-LAID NONWOVEN FABRIC SHEET

Title (de)

NASSGELEGTE VLIESTOFFFOLIE

Title (fr)

FEUILLE DE TISSU NON-TISSÉ DÉPOSÉE PAR VOIE HUMIDE

Publication

EP 4283038 A1 20231129 (EN)

Application

EP 22742663 A 20220120

Priority

- JP 2021008595 A 20210122
- JP 2022002066 W 20220120

Abstract (en)

The present invention relates to a wet-laid nonwoven fabric sheet configured to contain at least three types of thermoplastic fibers having different fiber diameters, wherein the fiber diameter ratio (R/r) of the fiber diameter R of the fiber having the largest fiber diameter to the fiber diameter r of the fiber having the smallest fiber diameter is $30 \leq R/r \leq 150$, the average pore size is $0.10\text{-}15 \mu\text{m}$, and the maximum frequency in the pore size distribution is 70% or more.

IPC 8 full level

D21H 15/02 (2006.01); **D04H 1/732** (2012.01); **D21H 13/24** (2006.01)

CPC (source: EP KR US)

D04H 1/43828 (2020.05 - EP); **D04H 1/4383** (2020.05 - EP US); **D04H 1/43835** (2020.05 - EP KR US); **D04H 1/4391** (2013.01 - EP);
D04H 1/55 (2013.01 - EP); **D04H 1/70** (2013.01 - KR); **D04H 1/732** (2013.01 - EP US); **D21H 13/24** (2013.01 - EP); **D21H 15/02** (2013.01 - EP)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4283038 A1 20231129; CN 116761914 A 20230915; JP 7452621 B2 20240319; JP WO2022158544 A1 20220728;
KR 20230132789 A 20230918; TW 202237923 A 20221001; US 2024102216 A1 20240328; WO 2022158544 A1 20220728

DOCDB simple family (application)

EP 22742663 A 20220120; CN 202280010951 A 20220120; JP 2022002066 W 20220120; JP 2022504253 A 20220120;
KR 20237024869 A 20220120; TW 111102578 A 20220121; US 202218273562 A 20220120