

Title (en)  
SULFONATED POLYSTYRENE NONWOVEN

Title (de)  
SULFONIERTER POLYSTYROLVLIESSTOFF

Title (fr)  
NON-TISSÉ DE POLYSTYRÈNE SULFONÉ

Publication  
**EP 4150143 A1 20230322 (EN)**

Application  
**EP 21726819 A 20210503**

Priority  
• US 202063022718 P 20200511  
• US 2021030406 W 20210503

Abstract (en)  
[origin: WO2021231114A1] Sulfonated polystyrene fibers having an average diameter from 450 nm to 2000 nm and a capacity from 0.05 meq/g to 2.0 meq/g.

IPC 8 full level  
**D04H 1/728** (2012.01); **B01D 39/16** (2006.01); **C02F 1/62** (2006.01); **D04H 1/4282** (2012.01); **D04H 1/4382** (2012.01); **D04H 1/58** (2006.01)

CPC (source: EP)  
**B01D 39/1623** (2013.01); **C02F 1/44** (2013.01); **D04H 1/4282** (2013.01); **D04H 1/4382** (2013.01); **D04H 1/58** (2013.01); **D04H 1/728** (2013.01); **B01D 2239/025** (2013.01); **B01D 2239/0631** (2013.01); **B01D 2239/1233** (2013.01); **C02F 1/42** (2013.01); **C02F 2101/20** (2013.01)

Citation (search report)  
See references of WO 2021231114A1

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)  
**WO 2021231114 A1 20211118**; CN 115702268 A 20230214; EP 4150143 A1 20230322; JP 2023526197 A 20230621; KR 20230041959 A 20230327

DOCDB simple family (application)  
**US 2021030406 W 20210503**; CN 202180038094 A 20210503; EP 21726819 A 20210503; JP 2022568370 A 20210503; KR 20227042286 A 20210503