

Title (en)  
SPUNDYED CELLULOSIC FIBER

Title (de)  
SPINNGEFÄRBTE CELLULOSEFASER

Title (fr)  
FIBRE CELLULOSIQUE TEINTE DANS LA MASSE

Publication  
**EP 4146851 A1 20230315 (EN)**

Application  
**EP 21722460 A 20210429**

Priority  
• EP 20172742 A 20200504  
• EP 2021061313 W 20210429

Abstract (en)  
[origin: EP3754053A1] This invention relates to cellulosic fibers, containing incorporated indigo pigments in the oxidized form, wherein the fibers are made according to a modal process, show a tenacity (conditioned) of at least 29cN/tex and a wet modulus according to BISFA of at least 5cN/tex%. Furthermore the invention relates to the manufacture and the use of such fibers in fabrics.

IPC 8 full level  
**D01F 2/14** (2006.01)

CPC (source: EP KR US)  
**D01D 5/06** (2013.01 - KR US); **D01F 1/04** (2013.01 - KR); **D01F 2/14** (2013.01 - EP KR US); **D03D 1/00** (2013.01 - US);  
**D03D 15/225** (2021.01 - US); **D03D 15/47** (2021.01 - US); **D04B 1/16** (2013.01 - US); **D04B 1/246** (2013.01 - US); **D10B 2201/24** (2013.01 - US);  
**D10B 2401/063** (2013.01 - US); **D10B 2501/00** (2013.01 - US)

Citation (search report)  
See references of WO 2021224112A1

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 3754053 A1 20201223**; CN 115427616 A 20221202; EP 4146851 A1 20230315; JP 2023524791 A 20230613; KR 20230005349 A 20230109;  
US 2023212791 A1 20230706; WO 2021224112 A1 20211111

DOCDB simple family (application)  
**EP 20172742 A 20200504**; CN 202180032610 A 20210429; EP 2021061313 W 20210429; EP 21722460 A 20210429;  
JP 2022567426 A 20210429; KR 20227042171 A 20210429; US 202117923413 A 20210429