

Title (en)  
THREAD AND FABRIC

Title (de)  
FADEN UND GEWEBE

Title (fr)  
FIL ET TISSU

Publication  
**EP 3960919 A1 20220302 (EN)**

Application  
**EP 20814268 A 20200521**

Priority  
• JP 2019099434 A 20190528  
• JP 2020020041 W 20200521

Abstract (en)  
A yarn (1, 2) includes a fiber (10) that generates a potential on a surface of the fiber by energy from the outside, and generates a potential of 0.1 V or more on the surface by performing measurement under the following conditions (a) to (d).(a) the yarn (1, 2) is stretched by a predetermined amount in a uniaxial direction(b) a core material made of conductive fibers is covered with the fiber (10)(c) the core material is grounded(d) a surface potential of the fiber (10) is measured with an electric force microscope

IPC 8 full level  
**D02G 3/36** (2006.01); **D03D 1/00** (2006.01); **D03D 15/00** (2021.01)

CPC (source: CN EP US)  
**D01F 1/09** (2013.01 - US); **D02G 3/04** (2013.01 - CN); **D02G 3/36** (2013.01 - US); **D02G 3/441** (2013.01 - CN EP);  
**D02G 3/449** (2013.01 - CN EP US); **D03D 15/283** (2021.01 - CN); **D03D 15/47** (2021.01 - CN); **D03D 15/50** (2021.01 - CN);  
**D03D 15/533** (2021.01 - CN); **D04B 1/14** (2013.01 - CN); **D04B 21/00** (2013.01 - CN); **D04C 1/02** (2013.01 - CN); **D04D 7/00** (2013.01 - CN);  
**D04H 3/00** (2013.01 - CN); **D03D 15/00** (2013.01 - US); **D10B 2331/04** (2013.01 - CN); **D10B 2401/13** (2013.01 - CN US);  
**D10B 2401/16** (2013.01 - CN)

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

DOCDB simple family (publication)  
**EP 3960919 A1 20220302**; **EP 3960919 A4 20221228**; CN 113891963 A 20220104; JP 2024045680 A 20240402;  
JP WO2020241432 A1 20211021; TW 202106937 A 20210216; TW I780437 B 20221011; US 2022074086 A1 20220310;  
WO 2020241432 A1 20201203

DOCDB simple family (application)  
**EP 20814268 A 20200521**; CN 202080039521 A 20200521; JP 2020020041 W 20200521; JP 2021522281 A 20200521;  
JP 2024024331 A 20240221; TW 109117448 A 20200526; US 202117530985 A 20211119