

Title (en)
YARN AND FABRIC

Title (de)
GARN UND GEWEBE

Title (fr)
FIL ET TISSU

Publication
EP 4071284 A4 20240110 (EN)

Application
EP 21738573 A 20210107

Priority
• JP 2020001614 A 20200108
• JP 2021000385 W 20210107

Abstract (en)
[origin: EP4071284A1] Provided is a yarn containing a potential-generating filament. The yarn is characterized in that the yarn has a specific permittivity of 4.5 or less. Also provided is a fabric that is characterized by containing the yarn.

IPC 8 full level
D02G 3/02 (2006.01); **D06M 11/46** (2006.01); **D06M 15/507** (2006.01); **D06M 15/564** (2006.01); **D06M 101/32** (2006.01)

CPC (source: EP US)
D02G 3/02 (2013.01 - US); **D02G 3/441** (2013.01 - EP US); **D02G 3/449** (2013.01 - EP); **D06M 11/46** (2013.01 - EP US); **D06M 15/507** (2013.01 - EP US); **D06M 15/564** (2013.01 - EP US); **D06M 16/00** (2013.01 - EP); **D10B 2331/041** (2013.01 - EP US); **D10B 2401/13** (2013.01 - EP US); **D10B 2401/16** (2013.01 - US)

Citation (search report)
• [X] US 2019038787 A1 20190207 - ANDO MASAMICHI [JP]
• [X] WO 2019069660 A1 20190411 - MURATA MANUFACTURING CO [JP]
• [T] SUNILKUMAR MADATHIL ET AL: "Dielectric properties: a gateway to antibacterial assay-a case study of low-density polyethylene/chitosan composite films", POLYMER JOURNAL, vol. 46, no. 7, 23 April 2014 (2014-04-23), London, pages 422 - 429, XP093107613, ISSN: 0032-3896, Retrieved from the Internet <URL:https://www.nature.com/articles/pj201419.pdf> DOI: 10.1038/pj.2014.19
• [A] "Polymers and Multicomponent Polymeric Systems : Thermal, Thermo-Mechanical and Dielectric Analysis", 6 December 2019, CRC PRESS, ISBN: 978-0-429-48660-9, article SALAZAR HUGO ET AL: "Dielectric Analysis of Different Natural and Synthetic Polymer Types : Thermal, Thermo-Mechanical and Dielectric Analysis", pages: 217 - 243, XP093107619, DOI: 10.1201/9780429486609-10
• See also references of WO 2021141089A1

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 4071284 A1 20221012; **EP 4071284 A4 20240110**; CN 114929956 A 20220819; JP 7431256 B2 20240214; JP WO2021141089 A1 20210715; US 2022364277 A1 20221117; WO 2021141089 A1 20210715

DOCDB simple family (application)
EP 21738573 A 20210107; CN 202180008141 A 20210107; JP 2021000385 W 20210107; JP 2021570089 A 20210107; US 202217857406 A 20220705