

Title (en)
CONDUCTIVE TEXTURED COMPOSITE YARN, AND FABRIC AND CLOTHING

Title (de)
LEITFÄHIGES TEXTURIERTES VERBUNDGARN, GEWEBE UND BEKLEIDUNG

Title (fr)
FIL COMPOSITE TEXTURÉ CONDUCTEUR, ET TISSU ET VÊTEMENT

Publication
EP 4123071 A4 20240529 (EN)

Application
EP 21772036 A 20210208

Priority
• JP 2020048692 A 20200319
• JP 2021004547 W 20210208

Abstract (en)
[origin: EP4123071A1] In order to provide a conductive composite textured yarn excellent in electrical continuity and wearing durability thereof, there is provided a conductive composite textured yarn including a conductive yarn a and a non-conductive yarn b that are combined by entanglement, wherein the conductive yarn a is a non-crimped yarn and the non-conductive yarn b is a crimped yarn, the conductive composite textured yarn satisfying all following characteristics: crimp rate (%) of conductive composite textured yarn: 10 to 55, and degree of entanglement (entangled parts/m) of conductive composite textured yarn: 20 to 150.

IPC 8 full level
D02G 3/04 (2006.01); **D03D 15/47** (2021.01); **D03D 15/533** (2021.01)

CPC (source: EP KR)
D01D 5/34 (2013.01 - KR); **D01F 1/09** (2013.01 - EP KR); **D01F 8/14** (2013.01 - EP); **D02G 1/00** (2013.01 - EP); **D02G 3/04** (2013.01 - KR); **D02G 3/26** (2013.01 - KR); **D02G 3/441** (2013.01 - EP KR); **D02J 1/08** (2013.01 - EP); **D03D 13/008** (2013.01 - EP); **D03D 15/283** (2021.01 - EP); **D03D 15/41** (2021.01 - EP); **D03D 15/47** (2021.01 - EP KR); **D03D 15/49** (2021.01 - EP); **D03D 15/533** (2021.01 - EP KR); **D01F 6/62** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP); **D10B 2401/063** (2013.01 - KR); **D10B 2401/16** (2013.01 - KR); **D10B 2501/04** (2013.01 - EP KR); **D10B 2501/042** (2013.01 - KR)

Citation (search report)
• [I] CA 1028138 A 19780321 - DU PONT CANADA
• [A] JP S6321942 A 19880129 - TORAY INDUSTRIES
• See references of WO 2021186943A1

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)
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DOCDB simple family (application)
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