

Title (en)
INFRARED-ABSORBING FIBER, KNIT FABRIC, OR NON-WOVEN FABRIC

Title (de)
INFRAROTABSORBIERENDE FASER, STRICKWARE ODER FASERVLIES

Title (fr)
FIBRE ABSORBANT LES INFRAROUGES, TRICOT OU NON-TISSÉ

Publication
EP 4023796 A1 20220706 (EN)

Application
EP 20858646 A 20200817

Priority
• JP 2019158937 A 20190830
• JP 2020031020 W 20200817

Abstract (en)
Provided is an infrared-absorbing fiber, knit fabric, or non-woven fabric containing an infrared-absorbing pigment, wherein L^* in the CIE 1976 color space is at least 30, and the color difference ΔE in the CIE 1976 color space between said infrared-absorbing fiber, knit fabric, or non-woven fabric and an infrared-absorbing fiber, knit fabric, or non-woven fabric containing no infrared-absorbing pigment is at most 10.

IPC 8 full level
D01F 1/10 (2006.01); **D06M 11/48** (2006.01)

CPC (source: CN EP KR US)
D01F 1/04 (2013.01 - CN EP KR US); **D01F 1/10** (2013.01 - CN EP); **D01F 1/106** (2013.01 - KR US); **D03D 15/233** (2021.01 - EP); **D03D 15/283** (2021.01 - CN EP); **D03D 15/50** (2021.01 - CN); **D03D 15/54** (2021.01 - EP); **D04B 21/00** (2013.01 - CN); **D04H 1/42** (2013.01 - CN EP); **D04H 3/005** (2013.01 - CN EP); **D06M 11/48** (2013.01 - CN KR US); **D10B 2211/02** (2013.01 - EP); **D10B 2331/04** (2013.01 - EP); **D10B 2401/04** (2013.01 - EP); **D10B 2401/14** (2013.01 - EP); **D10B 2401/22** (2013.01 - US); **D10B 2501/04** (2013.01 - US)

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 4023796 A1 20220706; CN 114245833 A 20220325; CN 114245833 B 20240823; JP 2023168441 A 20231124; JP 7359856 B2 20231011; JP WO2021039474 A1 20210304; KR 102668093 B1 20240522; KR 20220037489 A 20220324; TW 202117109 A 20210501; TW I837413 B 20240401; US 2022282402 A1 20220908; WO 2021039474 A1 20210304

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EP 20858646 A 20200817; CN 202080057910 A 20200817; JP 2020031020 W 20200817; JP 2021542764 A 20200817; JP 2023168537 A 20230928; KR 20227006186 A 20200817; TW 109128737 A 20200824; US 202017636624 A 20200817