

Title (en)  
INFRARED ABSORBING FIBER AND FIBER PRODUCT

Title (de)  
INFRAROTABSORBIERENDE FASER UND FASERPRODUKT

Title (fr)  
FIBRE ABSORBANT LES INFRAROUGES ET PRODUIT FIBREUX

Publication  
**EP 4324963 A1 20240221 (EN)**

Application  
**EP 21937002 A 20210416**

Priority  
JP 2021015721 W 20210416

Abstract (en)  
An infrared absorbing fiber including: a fiber; and organic-inorganic hybrid infrared absorbing particles, is provided. The organic-inorganic hybrid infrared absorbing particles include infrared absorbing particles and a coating resin that covers at least a part of a surface of the infrared absorbing particles. The organic-inorganic hybrid infrared absorbing particles are located in one or more parts selected from an interior of the fiber and a surface of the fiber.

IPC 8 full level  
**D01F 1/10** (2006.01); **C01G 41/00** (2006.01); **D06M 11/32** (2006.01); **D06M 11/48** (2006.01); **D06M 23/08** (2006.01)

CPC (source: EP)  
**D01F 1/106** (2013.01); **D06M 11/48** (2013.01); **D06M 15/19** (2013.01); **D06M 23/08** (2013.01)

Citation (search report)  
See references of WO 2022219808A1

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 4324963 A1 20240221**; CN 117157437 A 20231201; WO 2022219808 A1 20221020

DOCDB simple family (application)  
**EP 21937002 A 20210416**; CN 202180096859 A 20210416; JP 2021015721 W 20210416