

Title (en)  
FILAMENT, MATERIAL, AND MATERIAL MANUFACTURING METHOD

Title (de)  
FILAMENT, MATERIAL UND MATERIALHERSTELLUNGSVERFAHREN

Title (fr)  
FILAMENT, MATÉRIAU ET PROCÉDÉ DE FABRICATION DU MATÉRIAU

Publication  
**EP 4227452 A4 20240515 (EN)**

Application  
**EP 21877268 A 20210901**

Priority  
• JP 2020170208 A 20201008  
• JP 2021032062 W 20210901

Abstract (en)  
[origin: EP4227452A1] Provided are a filament that does not impair the strength that is intrinsic to the filament and contains a disperse dye, and has excellent color fastness, a material using the filament, and a method for producing the material. The filament containing a polyamide resin having an aromatic ring and/or a hetero ring, and a disperse dye having an aromatic ring and/or a hetero ring.

IPC 8 full level  
**D01F 6/60** (2006.01); **D01F 6/80** (2006.01); **D06P 1/18** (2006.01); **D06P 1/20** (2006.01); **D06P 3/26** (2006.01)

CPC (source: EP KR US)  
**D01F 1/06** (2013.01 - EP); **D01F 6/60** (2013.01 - EP US); **D01F 6/605** (2013.01 - EP); **D01F 6/80** (2013.01 - EP); **D01F 6/805** (2013.01 - EP); **D01F 6/90** (2013.01 - EP); **D01F 6/905** (2013.01 - EP); **D01F 8/12** (2013.01 - KR US); **D06P 1/18** (2013.01 - EP KR US); **D06P 1/20** (2013.01 - EP KR US); **D06P 3/24** (2013.01 - EP); **D06P 3/26** (2013.01 - EP KR US); **D10B 2331/021** (2013.01 - US); **D10B 2401/14** (2013.01 - US)

Citation (search report)  
• [X] WO 2013148653 A1 20131003 - INVISTA TECH SARL [CH]  
• [X] JP H0995870 A 19970408 - TEIJIN LTD  
• See references of WO 2022074965A1

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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**EP 21877268 A 20210901**; CN 202180068643 A 20210901; JP 2021032062 W 20210901; JP 2022555302 A 20210901; KR 20237014755 A 20210901; TW 110135927 A 20210928; US 202118030472 A 20210901