

Title (en)
POLYAMIDE MULTIFILAMENT

Title (de)
POLYAMIDMULTIFILAMENT

Title (fr)
MULTIFILAMENT DE POLYAMIDE

Publication
EP 4317550 A1 20240207 (EN)

Application
EP 22780034 A 20220314

Priority
• JP 2021054816 A 20210329
• JP 2022011230 W 20220314

Abstract (en)
This polyamide multifilament has a total fineness of 4-100 dtex, a single filament fineness of 1.1-5.0 dtex, a strength-elongation product of 4.5-10.0 cN/dtex, a flatness (b/a) expressed by a major axis b and a minor axis a in a single filament cross section of 6.1-15.0, and a flatness CV value of 2.0 or less. Provided is a polyamide multifilament having a flat cross-section and excellent practical durability of a knitted material or textile for clothing, and having a soft texture and an excellent aesthetic appearance.

IPC 8 full level
D01F 6/60 (2006.01); **D03D 15/37** (2021.01); **D04B 1/16** (2006.01); **D04B 21/16** (2006.01)

CPC (source: EP)
D01D 5/084 (2013.01); **D01D 5/253** (2013.01); **D01F 6/60** (2013.01); **D03D 15/37** (2021.01); **D04B 1/16** (2013.01); **D04B 21/16** (2013.01); **D03D 13/008** (2013.01); **D03D 15/283** (2021.01); **D03D 15/54** (2021.01); **D03D 15/573** (2021.01); **D10B 2331/02** (2013.01); **D10B 2401/063** (2013.01); **D10B 2401/14** (2013.01)

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 4317550 A1 20240207; CN 116964259 A 20231027; JP WO2022209813 A1 20221006; TW 202237917 A 20221001; WO 2022209813 A1 20221006

DOCDB simple family (application)
EP 22780034 A 20220314; CN 202280013676 A 20220314; JP 2022011230 W 20220314; JP 2022521608 A 20220314; TW 111110245 A 20220321