

Title (en)  
POLYURETHANE ELASTIC THREAD AND PRODUCTION METHOD THEREFOR

Title (de)  
POLYURETHANELASTISCHER FADEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
FIL ÉLASTIQUE EN POLYURÉTHANE ET SON PROCÉDÉ DE PRODUCTION

Publication  
**EP 4301913 A1 20240110 (EN)**

Application  
**EP 22713446 A 20220225**

Priority  
• JP 2021031481 A 20210301  
• JP 2022017721 A 20220208  
• IB 2022051684 W 20220225

Abstract (en)  
[origin: WO2022185171A1] To provide a polyurethane elastic fiber having excellent antibacterial properties and a production method therefor. An elastic fiber composed of a polyurethane whose main components are a polymer diol and a diisocyanate, wherein the polyurethane elastic fiber comprises a slowly water-soluble glass containing a Group 1B and/or Group 2B element and a nonionic surfactant.

IPC 8 full level  
**D01F 6/70** (2006.01); **D01D 1/02** (2006.01); **D01D 5/04** (2006.01); **D01F 1/10** (2006.01)

CPC (source: EP KR)  
**D01D 1/02** (2013.01 - EP); **D01D 5/04** (2013.01 - EP); **D01F 1/10** (2013.01 - EP KR); **D01F 1/103** (2013.01 - EP); **D01F 6/70** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2022185171A1

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)  
**WO 2022185171 A1 20220909**; EP 4301913 A1 20240110; KR 20230162629 A 20231128

DOCDB simple family (application)  
**IB 2022051684 W 20220225**; EP 22713446 A 20220225; KR 20237033757 A 20220225