

Title (en)  
YARN, FABRIC MANUFACTURED USING SAME, AND PRODUCT

Title (de)  
GARN UND STOFFE UND DAMIT HERGESTELLTE PRODUKTE

Title (fr)  
FIL, TISSU FABRIQUÉ L'UTILISANT ET PRODUIT

Publication  
**EP 3199676 A4 20180530 (EN)**

Application  
**EP 15832777 A 20151202**

Priority  
KR 2015013098 W 20151202

Abstract (en)  
[origin: EP3199676A1] The present invention relates to yarn. The yarn of the present invention is characterized in that it is prepared by placing at least one first yarn - which is made of one, or two or more strands of fiber - and at least one second yarn - which is made of one, or two or more strands of fiber - parallel to one another and then performing intermingling that joins the first yarn and the second yarn together by nipping longitudinally, where a fineness of the first yarn and a fineness of the second yarn are different from each other.

IPC 8 full level  
**D02G 1/16** (2006.01); **A47L 13/256** (2006.01); **D01F 8/00** (2006.01); **D02G 1/20** (2006.01); **D02G 3/04** (2006.01); **D02J 1/08** (2006.01); **D03D 1/00** (2006.01); **D03D 15/00** (2006.01)

CPC (source: EP US)  
**A47L 13/256** (2013.01 - EP); **D02G 1/20** (2013.01 - EP); **D02G 3/04** (2013.01 - EP); **D02J 1/08** (2013.01 - EP); **D03D 1/00** (2013.01 - EP); **D03D 15/00** (2013.01 - EP US); **D03D 15/225** (2021.01 - EP US); **D03D 15/283** (2021.01 - EP US)

Citation (search report)

- [XY] US 4100725 A 19780718 - MAGEL BERNARD
- [XY] US 3104516 A 19630924 - FIELD JR FREDERICK CROMWELL
- [XY] JP H0797731 A 19950411 - TOYO BOSEKI
- [Y] EP 1496144 A1 20050112 - N I TEIJIN SHOJI CO LTD [JP]
- [Y] US 2003089097 A1 20030515 - LEE YOUNGKYU [KR], et al
- See references of WO 2017094931A1

Cited by  
CN109576851A

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 3199676 A1 20170802; EP 3199676 A4 20180530; EP 3199676 B1 20210811; WO 2017094931 A1 20170608**

DOCDB simple family (application)  
**EP 15832777 A 20151202; KR 2015013098 W 20151202**