

Title (en)  
CIRCULAR KNITTED FABRIC

Title (de)  
RUNDSTRICKGEWEBE

Title (fr)  
TISSU TRICOTÉ CIRCULAIRE

Publication  
**EP 3816332 A4 20220309 (EN)**

Application  
**EP 19824509 A 20190611**

Priority  
• JP 2018120901 A 20180626  
• JP 2019023065 W 20190611

Abstract (en)  
[origin: EP3816332A1] [Problem]Provided is a circular knitted fabric that has a good balance in elongation between a wale direction and a course direction, and also a knitted pattern.[Solution Means]A circular knitted fabric having a 1×1 rib jacquard knitted structure as a basic structure, in which non-elastic fiber yarn and elastic fiber yarn are fed as a full set and are plate-knitted, knit-loops account for 10 to 90% of all structures, and at least any one of a tuck and a welt is included so that a knitted pattern is formed on a knitted fabric surface due to a difference between structures by location, elongation in each of a wale direction and a course direction is 100 to 280% under a load condition of 14.7 N/2.54 cm, and an elongation ratio, that is, (elongation in wale direction)/(elongation in course direction), is 0.5 to 2.0 under the load condition of 14.7 N/2.54 cm.

IPC 8 full level  
**D04B 1/18** (2006.01); **D04B 1/10** (2006.01)

CPC (source: EP US)  
**D04B 1/102** (2013.01 - EP); **D04B 1/18** (2013.01 - EP US); **D10B 2401/061** (2013.01 - US); **D10B 2401/062** (2013.01 - US); **D10B 2403/0114** (2013.01 - EP)

Citation (search report)  
• [X1] CN 108085853 A 20180529 - QINGDAO XUEDA GROUP  
• [A] JP 2012012733 A 20120119 - ASAHI KASEI FIBERS CORP  
• [A] US 4838045 A 19890613 - COURNOYER ANDRE [CA], et al  
• [A] GB 1552231 A 19790912 - IWS NOMINEE CO LTD  
• [A] SU 450007 A1 19741115  
• See references of WO 2020004006A1

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)  
**EP 3816332 A1 20210505; EP 3816332 A4 20220309**; CN 112352073 A 20210209; CN 112352073 B 20220408; JP 7198817 B2 20230104; JP WO2020004006 A1 20210802; TW 202016383 A 20200501; TW I791852 B 20230211; US 2021189615 A1 20210624; WO 2020004006 A1 20200102

DOCDB simple family (application)  
**EP 19824509 A 20190611**; CN 201980043231 A 20190611; JP 2019023065 W 20190611; JP 2020527365 A 20190611; TW 108121118 A 20190618; US 201917054587 A 20190611