

Title (en)  
CLOTH TAPE AND FIBER PRODUCT

Title (de)  
TUCHBAND UND FASERPRODUKT

Title (fr)  
RUBAN DE TOILE ET PRODUIT FIBREUX

Publication  
**EP 3421651 A4 20190123 (EN)**

Application  
**EP 17756051 A 20170124**

Priority  
• JP 2016031814 A 20160223  
• JP 2016035776 A 20160226  
• JP 2017002305 W 20170124

Abstract (en)  
[origin: US2018080153A1] An object is to provide a cloth tape having flame retardancy and a fiber product, and means for achieving the object is a cloth tape formed from an organic fiber, which has an afterflame time of 2.0 seconds or less, as measured in the flammability prescribed in JIS L1091-1999 A-4 method (12-second heating method).

IPC 8 full level  
**D04B 21/00** (2006.01); **A41D 13/00** (2006.01); **D03D 1/00** (2006.01); **D03D 15/567** (2021.01); **D04B 21/16** (2006.01)

CPC (source: EP RU US)  
**A41D 13/008** (2013.01 - US); **A41D 31/08** (2019.01 - EP US); **D03D 1/00** (2013.01 - US); **D03D 1/0035** (2013.01 - EP US); **D03D 15/513** (2021.01 - EP RU US); **D03D 15/567** (2021.01 - US); **D04B 21/00** (2013.01 - RU); **D04B 21/16** (2013.01 - EP US); **A41D 27/28** (2013.01 - EP US); **D10B 2331/021** (2013.01 - EP US); **D10B 2403/0311** (2013.01 - EP US); **D10B 2501/00** (2013.01 - US); **D10B 2501/04** (2013.01 - EP US)

Citation (search report)  
• [XY] US 2016040326 A1 20160211 - OKUYA TOMOHIRO [JP], et al  
• [Y] JP 2011144487 A 20110728 - SHINDO KK  
• [Y] JP 2002249959 A 20020906 - NEW KNIT KK  
• [A] US 2013031703 A1 20130207 - CURTIS NICHOLAS J [US]  
• See references of WO 2017145609A1

Cited by  
EP3440951A4; US11160320B2

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)  
**US 2018080153 A1 20180322**; BR 112017026047 A2 20180814; CA 2987915 A1 20170831; CN 107735521 A 20180223; CN 107735521 B 20200623; EP 3421651 A1 20190102; EP 3421651 A4 20190123; JP 6247797 B1 20171213; JP WO2017145609 A1 20180301; RU 2710114 C1 20191224; TW 201800629 A 20180101; WO 2017145609 A1 20170831

DOCDB simple family (application)  
**US 201715568149 A 20170124**; BR 112017026047 A 20170124; CA 2987915 A 20170124; CN 201780002144 A 20170124; EP 17756051 A 20170124; JP 2017002305 W 20170124; JP 2017529092 A 20170124; RU 2018132492 A 20170124; TW 106104288 A 20170209