

Title (en)
FIBER STRUCTURE BODY AND METHOD FOR MANUFACTURING SAME

Title (de)
FASERSTRUKTURKÖRPER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
CORPS DE STRUCTURE FIBREUSE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3708703 A4 20210804 (EN)

Application
EP 18876681 A 20181105

Priority
• JP 2017217514 A 20171110
• JP 2018041010 W 20181105

Abstract (en)
[origin: EP3708703A1] The present invention relates to a fiber structure including coil-shaped crimped fibers (a) and non-coil-shaped crimped fibers (b), the fiber structure having an entangled part (A) including the coil-shaped crimped fibers (a) and entangled parts (B) including the non-coil-shaped crimped fibers (b), at least one distance between the entangled parts (B) in a machine direction of the fiber structure being less than the apparent average fiber length of the coil-shaped crimped fibers (a).

IPC 8 full level
D04H 1/4391 (2012.01); **D04H 1/4382** (2012.01); **D04H 1/49** (2012.01); **D04H 1/495** (2012.01); **D04H 1/50** (2012.01)

CPC (source: EP KR US)
D04H 1/43825 (2020.05 - EP); **D04H 1/43832** (2020.05 - EP); **D04H 1/43835** (2020.05 - KR US); **D04H 1/43918** (2020.05 - EP KR US); **D04H 1/49** (2013.01 - EP); **D04H 1/492** (2013.01 - EP KR); **D04H 1/495** (2013.01 - EP); **D04H 1/50** (2013.01 - EP KR); **D04H 1/43828** (2020.05 - EP KR US); **D04H 1/4383** (2020.05 - EP KR US); **D04H 1/43832** (2020.05 - KR US); **D10B 2509/02** (2013.01 - KR)

Citation (search report)
• [X] EP 2479328 A1 20120725 - JAPAN VILENE CO LTD [JP]
• [X] JP 2009235638 A 20091015 - JAPAN VILENE CO LTD
• [X] EP 1132512 A1 20010912 - KURARAY CO [JP]
• See references of WO 2019093272A1

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 3708703 A1 20200916; EP 3708703 A4 20210804; CN 111328354 A 20200623; CN 111328354 B 20221206; JP 7140774 B2 20220921; JP WO2019093272 A1 20201126; KR 102575116 B1 20230906; KR 20200076738 A 20200629; TW 201925565 A 20190701; TW I793209 B 20230221; WO 2019093272 A1 20190516

DOCDB simple family (application)
EP 18876681 A 20181105; CN 201880072713 A 20181105; JP 2018041010 W 20181105; JP 2019552776 A 20181105; KR 20207016049 A 20181105; TW 107139745 A 20181109