

Title (en)
HOLLOW POLYESTER LONG FIBER AND PREPARATION METHOD THEREFOR

Title (de)
HOHLE POLYESTERLANGFASER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FIBRE POLYESTER LONGUE, CREUSE, ET SON PROCÉDÉ DE PRÉPARATION

Publication
EP 3561160 A4 20200826 (EN)

Application
EP 17884141 A 20171222

Priority
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Abstract (en)
[origin: EP3561160A1] A hollow polyester long fiber having a cross-sectional hollowness ranging from 20.0% to 45.0%, the long fiber in natural state being of a three-dimensionally crimped shape, and the radius of curvature of the crimped shape being 10.0 mm to 50.0 mm. The fluffy processed tows obtained by processing the hollow polyester long fiber have high fluffiness.

IPC 8 full level
D01D 5/24 (2006.01); **D01D 5/253** (2006.01); **D01D 10/02** (2006.01); **D02G 3/24** (2006.01)

CPC (source: CN EP KR RU US)
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D02G 1/00 (2013.01 - US); **D02G 3/24** (2013.01 - KR); **D10B 2331/04** (2013.01 - CN KR US); **D10B 2505/06** (2013.01 - CN US)

Citation (search report)
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• [A] US 2016088888 A1 20160331 - YORIZANE MIKA [JP], et al
• See also references of WO 2018113767A1

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 3561160 A1 20191030; EP 3561160 A4 20200826; EP 3561160 B1 20240626; AU 2017379039 A1 20190627; CA 3047479 A1 20180628;
CN 108239794 A 20180703; CN 109844189 A 20190604; JP 2020502377 A 20200123; JP 7081598 B2 20220607; KR 102338025 B1 20211210;
KR 20190092431 A 20190807; PH 12019501278 A1 20191216; RU 2019119407 A 20210126; RU 2019119407 A3 20210126;
RU 2748416 C2 20210525; TW 201827661 A 20180801; TW I793092 B 20230221; US 2020017995 A1 20200116; WO 2018113767 A1 20180628

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PH 12019501278 A 20190606; RU 2019119407 A 20171222; TW 106145337 A 20171222; US 201716471099 A 20171222