

Title (en)

CORE-SHEATH COMPOSITE FIBER FOR ARTIFICIAL HAIR AND HEADDRESS PRODUCT COMPRISING SAME

Title (de)

KERN-HÜLLE-VERBUNDFASER FÜR KUNSTHAAR UND KOPFBEDECKUNGSPRODUKT DAMIT

Title (fr)

FIBRE COMPOSITE C UR-GAINE POUR CHEVEUX ARTIFICIELS ET PRODUIT DE COIFFURE COMPRENANT CELLE-CI

Publication

EP 3603432 A1 20200205 (EN)

Application

EP 18775667 A 20180131

Priority

- JP 2017068592 A 20170330
- JP 2018003154 W 20180131

Abstract (en)

The present invention, in one embodiment, relates to core-sheath conjugate fibers for artificial hair comprising a core part and a sheath part. The fibers have a core-to-sheath area ratio of core:sheath = 2:8 to 7:3, an eccentricity of 5% or more, and a flat multilobed shape in cross section. In the fiber cross section, a ratio of a length of a major axis of the fiber cross section to a length of a first minor axis of the fiber cross section is 1.10 or more and 3.00 or less, and a ratio of a length of a major axis of the core part to a length of a first minor axis of the core part is 1.10 or more and 3.00 or less. A direction of the major axis of the fiber cross section and a direction of the major axis of the core part substantially coincide with each other. The present invention further relates to hair ornament products comprising the core-sheath conjugate fibers for artificial hair. Thus, the present invention provides core-sheath conjugate fibers for artificial hair having touch and appearance close to human hair, exhibiting favorable curling property without the need for curl setting and having extremely high curl retentive property, and hair ornament products including the same.

IPC 8 full level

A41G 3/00 (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP US)

A41G 3/0083 (2013.01 - US); **A41G 5/004** (2013.01 - US); **A63H 3/44** (2013.01 - US); **D01D 5/253** (2013.01 - EP); **D01D 5/34** (2013.01 - EP); **D01F 8/12** (2013.01 - US); **D01F 8/14** (2013.01 - US); **A41G 3/0083** (2013.01 - EP); **D01F 8/12** (2013.01 - EP); **D01F 8/14** (2013.01 - EP); **D10B 2503/08** (2013.01 - US)

Cited by

US12031241B2

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 3603432 A1 20200205; **EP 3603432 A4 20201216**; CN 110418584 A 20191105; CN 110418584 B 20211123; JP 7033585 B2 20220310; JP WO2018179803 A1 20200206; US 2020024774 A1 20200123; WO 2018179803 A1 20181004

DOCDB simple family (application)

EP 18775667 A 20180131; CN 201880017471 A 20180131; JP 2018003154 W 20180131; JP 2019508656 A 20180131; US 201916587208 A 20190930