

Title (en)

U shaped, thermoplastic, hair connecting element

Title (de)

U-förmiges, thermoplastisches Haarverbindungselement

Title (fr)

Élément de liaison des cheveux en forme de "U" et matériau thermoplastique

Publication

EP 1433395 A3 20041006 (DE)

Application

EP 03450280 A 20031216

Priority

AT 19292002 A 20021223

Abstract (en)

[origin: EP1433395A2] U-shaped thermoplastic hair-joining element (9) comprises at least one intermediate wall (4, 8) between the arms (2) of the U-shape. Preferred Features: The intermediate wall (4) is a longitudinal wall running parallel to the arms of the U-shape and protruding from the web (3). The intermediate wall (8) is a transverse wall running perpendicularly to the arms and perpendicularly to the web.

IPC 1-7

A41G 5/00; **A41G 3/00**

IPC 8 full level

A41G 5/00 (2006.01); **A41G 3/00** (2006.01)

CPC (source: EP KR US)

A41G 5/00 (2013.01 - KR); **A41G 5/0073** (2013.01 - EP US); **Y10T 428/24198** (2015.01 - EP US)

Citation (search report)

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- [A] EP 1186249 A2 20020313 - LO GIUDICE ANGELO [IT]
- [A] EP 0876773 A1 19981111 - LO GIUDICE ANGELO [IT]
- [A] DE 19626107 A1 19970925 - GOLD [GB], et al

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BE1017558A3; WO2008129386A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1433395 A2 20040630; **EP 1433395 A3 20041006**; **EP 1433395 B1 20070509**; AT 412141 B 20041025; AT A19292002 A 20040315; AT E361681 T1 20070615; CY 1106659 T1 20120125; DE 50307228 D1 20070621; DK 1433395 T3 20070625; ES 2282597 T3 20071016; JP 2004204426 A 20040722; JP 4307240 B2 20090805; KR 100946216 B1 20100309; KR 20040057950 A 20040702; PT 1433395 E 20070620; SI 1433395 T1 20071031; US 2004170805 A1 20040902; US 7192635 B2 20070320

DOCDB simple family (application)

EP 03450280 A 20031216; AT 03450280 T 20031216; AT 19292002 A 20021223; CY 071100795 T 20070614; DE 50307228 T 20031216; DK 03450280 T 20031216; ES 03450280 T 20031216; JP 2003426360 A 20031224; KR 20030094541 A 20031222; PT 03450280 T 20031216; SI 200330912 T 20031216; US 74297503 A 20031223