

Title (en)
DEVICE FOR ACHIEVING SMOOTH AND STRAIGHT HAIR

Title (de)
VORRICHTUNG ZUM ERHALT VON GLATTEM HAAR

Title (fr)
DISPOSITIF PERMETTANT D'OBTENIR DES CHEVEUX LISSES ET RAIDES

Publication
EP 1515629 A1 20050323 (EN)

Application
EP 02744618 A 20020626

Priority
US 0220127 W 20020626

Abstract (en)
[origin: WO2004002263A1] A hair styling device for smoothing and straightening hair strands on a scalp region, comprising, in combination: two hingedly attached, movably opposed arms each of said arms comprising a hair strand gripping means (1) ; heating means (21) incorporated into the gripping means (1) for providing heat to the hair strands; a reservoir (6) in fluid communication with a means of delivery of the gripping means (1) which delivers a nonvolatile styling active delivered as droplets having a Dv(90) of less than about 30 microns. A method for straightening hair strands on a scalp region wherein hair to be straightened is passed under tension between a gripping means (1) , wherein the gripping means (1) provides a heating means (21) , and a styling active comprising nonvolatile compounds, wherein the styling active is delivered as droplets having a Dv(90) of less than about 30 microns.

IPC 1-7
A45D 2/00

IPC 8 full level
A45D 7/06 (2006.01); **A45D 1/04** (2006.01); **A45D 2/00** (2006.01); **A45D 7/02** (2006.01); **A61K 8/00** (2006.01); **A61K 8/37** (2006.01); **A61K 8/39** (2006.01); **A61K 8/86** (2006.01); **A61K 8/89** (2006.01); **A61Q 5/04** (2006.01); **A45D 1/06** (2006.01)

CPC (source: EP)
A45D 1/04 (2013.01); **A45D 2/001** (2013.01); **A45D 1/06** (2013.01); **A45D 2001/008** (2013.01)

Citation (search report)
See references of WO 2004002263A1

Cited by
WO2019121267A1; EP2789257A2; EP3192390A1; WO2019122401A1; EP2944218A1; WO2015173507A1; WO2015173508A1; WO2019122399A1; US10383421B2; US11452352B2; EP4098145A1; EP2760310B1; EP2760310B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 2004002263 A1 20040108; AT E380483 T1 20071215; AU 2002345876 A1 20040119; AU 2002345876 B2 20070315; BR PI0215796 A2 20160712; BR PI0215796 A8 20170214; BR PI0215796 B1 20180130; CA 2487097 A1 20040108; CA 2487097 C 20090324; CN 100344245 C 20071024; CN 1630478 A 20050622; DE 60224105 D1 20080124; DE 60224105 T2 20081127; EP 1515629 A1 20050323; EP 1515629 B1 20071212; ES 2296957 T3 20080501; HK 1076691 A1 20060127; JP 2005530583 A 20051013; MX PA04012531 A 20051104

DOCDB simple family (application)
US 0220127 W 20020626; AT 02744618 T 20020626; AU 2002345876 A 20020626; BR PI0215796 A 20020626; CA 2487097 A 20020626; CN 02829208 A 20020626; DE 60224105 T 20020626; EP 02744618 A 20020626; ES 02744618 T 20020626; HK 05108015 A 20050913; JP 2004517475 A 20020626; MX PA04012531 A 20020626