

Title (en)
Mascara brush

Title (de)
Mascara-Bürstchen

Title (fr)
Brosse à mascara

Publication
EP 1344470 A3 20031119 (DE)

Application
EP 03000773 A 20030114

Priority
DE 10211780 A 20020316

Abstract (en)
[origin: EP1344470A2] The mascara brush (1) has a first outer array of longer bristles (2) with tips defining a cylindrical outer surface. There is also an inner array of bristles (9) which are formed by cutting parts of the longer bristles back to form another surface. The tips (8) of the shorter bristles each have a spacing from the twisted brush wire handle (3,4) to extend orthogonally from them.

IPC 1-7
A46B 9/02

IPC 8 full level
A45D 34/04 (2006.01); **A46B 9/02** (2006.01); **A46B 9/06** (2006.01); **A46B 13/08** (2006.01); **B05C 17/10** (2006.01)

CPC (source: EP US)
A46B 9/021 (2013.01 - EP US); **A46B 2200/1053** (2013.01 - EP US); **Y10S 15/05** (2013.01 - US)

Citation (search report)

- [XY] US 5165760 A 19921124 - GUERET JEAN-LOUIS [FR]
- [YA] US 5197497 A 19930330 - GUERET JEAN-LOUIS H [FR]
- [YA] US 5345644 A 19940913 - GUERET JEAN-LOUIS [FR]
- [A] US 5020551 A 19910604 - GUERRET JEAN-LOUIS [FR]
- [A] US 6279583 B1 20010828 - NEUNER CHARLES P [US]
- [A] GB 2170996 A 19860820 - PLOUGH [US]
- [A] US 4586520 A 19860506 - BRITTAIN DAVID C [US]
- [A] US 2002020426 A1 20020221 - GUERET JEAN-LOUIS H [FR]

Cited by
FR2922421A1; FR2922420A1; DE102004058980A1; EP2344832A4; US8777503B2; US9427075B2; US8944714B2; EP2356921A1; WO2009053929A1

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 SE SI SK TR

DOCDB simple family (publication)
EP 1344470 A2 20030917; EP 1344470 A3 20031119; EP 1344470 B1 20090415; AT E428327 T1 20090515; DE 10211780 A1 20030925; DE 50311407 D1 20090528; JP 2003265235 A 20030924; JP 4719406 B2 20110706; US 2003172485 A1 20030918; US 7254860 B2 20070814

DOCDB simple family (application)
EP 03000773 A 20030114; AT 03000773 T 20030114; DE 10211780 A 20020316; DE 50311407 T 20030114; JP 2003063370 A 20030310; US 24402302 A 20020916