

Title (en)

Method of spraying a cosmetic product with blowing of hot or cold air

Title (de)

Vorrichtung zum Verteilen eines Kosmetikprodukts durch Blasen mit warmer oder kalter Luft

Title (fr)

Dispositif de pulvérisation d'un produit cosmétique avec soufflage d'air chaud ou froid

Publication

EP 2090370 A1 20090819 (FR)

Application

EP 09152082 A 20090204

Priority

FR 0850926 A 20080213

Abstract (en)

Device (1) comprises: an ultrasound or electrostatic spray head; an airflow generator for creating a stream of air for entraining a spray of composition particles atomized by the spray head; and a conditioning device for modifying the temperature of the outgoing stream of air, where the conditioning device is placed upstream from the airflow generator. An independent claim is included for a method of cosmetically treating human keratinous materials, where a composition is sprayed and entrained towards the materials to be treated by a stream of hot or cold air by means of the device. ACTIVITY : Dermatological. MECHANISM OF ACTION : None given.

Abstract (fr)

La présente invention concerne un dispositif de pulvérisation d'un produit cosmétique ou dermatologique, comportant : - une tête de pulvérisation ultrasonore ou électrostatique, - un moyen (60) pour créer un flux d'air d'entraînement des particules de produit pulvérisées par la tête, - un dispositif de chauffage (200) ou de refroidissement pour modifier la température du flux d'air sortant.

IPC 8 full level

B05B 17/06 (2006.01); **A45D 20/12** (2006.01); **B05B 5/16** (2006.01); **B05B 7/16** (2006.01)

CPC (source: EP US)

A45D 20/12 (2013.01 - EP US); **B05B 7/066** (2013.01 - EP); **B05B 17/0623** (2013.01 - US); **B05B 17/063** (2013.01 - EP US); **A45D 2200/057** (2013.01 - EP US)

Citation (applicant)

- US 4523080 A 19850611 - BOLTON JOHN D [US]
- FR 2747542 A3 19971024 - LEE TZUNG SHENG [TW]
- FR 1471557 A 19670303
- FR 2780664 A1 20000107 - SCHWEIGER ANNA [FR]
- JP H1085314 A 19980407 - AISAN IND
- DE 3202597 A1 19830804 - SIEMENS AG [DE]
- EP 1435209 A1 20040707 - LAUGHLIN PRODUCTS INC [US]
- US 3970250 A 19760720 - DREWS WOLF-DIETRICH
- US 4702418 A 19871027 - CARTER ROBERT E [US], et al
- WO 2007104859 A1 20070920 - LVMH RECH [FR], et al
- US 6311903 B1 20011106 - GAW CHINTO BENJAMIN [US], et al

Citation (search report)

- [XY] DE 3202597 A1 19830804 - SIEMENS AG [DE]
- [Y] FR 1471557 A 19670303
- [X] JP H1085314 A 19980407 - AISAN IND
- [X] EP 1435209 A1 20040707 - LAUGHLIN PRODUCTS INC [US]
- [X] US 3970250 A 19760720 - DREWS WOLF-DIETRICH

Cited by

WO2018011501A1; AU2015250636B2; US9668563B2; WO2015162430A3; EP2743919B1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2090370 A1 20090819; **EP 2090370 B1 20130424**; ES 2421560 T3 20130903; FR 2927237 A1 20090814; FR 2927237 B1 20111223; US 2009200392 A1 20090813; US 8746586 B2 20140610

DOCDB simple family (application)

EP 09152082 A 20090204; ES 09152082 T 20090204; FR 0850926 A 20080213; US 37032109 A 20090212