

Title (en)

APPLICATOR DEVICE FOR COSMETIC AND/OR MEDICAL USE

Title (de)

APPLIKATOREINRICHTUNG ZUR KOSMETISCHEN UND/ODER MEDIZINISCHEN ANWENDUNG

Title (fr)

DISPOSITIF APPLICATEUR POUR UTILISATION COSMÉTIQUE ET/OU MÉDICALE

Publication

**EP 2413736 A2 20120208 (DE)**

Application

**EP 10724997 A 20100325**

Priority

- DE 2010000342 W 20100325
- DE 102009014976 A 20090330

Abstract (en)

[origin: DE102009014976B3] The device (1) has an applicator element (9) for applying substances contained in a substance chamber to skin portions. A vibration element i.e. piezoelectric component, actuated by an energy storage is provided in a lower housing part (4), where vibrations of the vibration element are transmitted to an upper housing part (8) and the applicator element. An activator device is provided in the upper housing part for producing heat or coldness that is transmitted to the substance contained in the substance chamber.

IPC 8 full level

**A45D 34/04** (2006.01); **A61H 15/00** (2006.01); **A61H 15/02** (2006.01)

CPC (source: EP KR US)

**A45D 34/041** (2013.01 - EP KR US); **A61H 15/00** (2013.01 - EP US); **A61H 15/0085** (2013.01 - EP US); **A61H 15/02** (2013.01 - EP KR US); **A61H 23/02** (2013.01 - KR); **A61N 5/0616** (2013.01 - EP KR US); **A45D 2200/155** (2013.01 - EP KR US); **A45D 2200/207** (2013.01 - EP KR US); **A61F 7/03** (2013.01 - EP US); **A61F 7/106** (2013.01 - EP US); **A61H 23/02** (2013.01 - EP US); **A61H 2015/0064** (2013.01 - EP US); **A61H 2201/0207** (2013.01 - EP US); **A61H 2201/0214** (2013.01 - EP US); **A61H 2201/0278** (2013.01 - EP US); **A61H 2201/105** (2013.01 - EP US); **A61M 35/003** (2013.01 - EP); **A61M 2037/0007** (2013.01 - EP US); **A61N 2005/0644** (2013.01 - EP US)

Citation (search report)

See references of WO 2010111997A2

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 SM TR

DOCDB simple family (publication)

**DE 102009014976 B3 20100602**; AU 2010230666 A1 20111103; AU 2015246152 A1 20151112; BR PI1016234 A2 20160426; CA 2760421 A1 20101007; CN 102438481 A 20120502; CN 102438481 B 20140820; EP 2413736 A2 20120208; HK 1169573 A1 20130201; JP 2012521815 A 20120920; JP 5744836 B2 20150708; KR 20120007010 A 20120119; MX 2011010314 A 20120125; RU 2011143808 A 20130510; RU 2546493 C2 20150410; SG 174970 A1 20111128; US 2012109041 A1 20120503; WO 2010111997 A2 20101007; WO 2010111997 A3 20110303; ZA 201107917 B 20120725

DOCDB simple family (application)

**DE 102009014976 A 20090330**; AU 2010230666 A 20100325; AU 2015246152 A 20151023; BR PI1016234 A 20100325; CA 2760421 A 20100325; CN 201080014602 A 20100325; DE 2010000342 W 20100325; EP 10724997 A 20100325; HK 12110312 A 20121017; JP 2012502446 A 20100325; KR 20117025097 A 20100325; MX 2011010314 A 20100325; RU 2011143808 A 20100325; SG 2011070828 A 20100325; US 201013262573 A 20100325; ZA 201107917 A 20111028