

Title (en)

DEVICES AND METHODS FOR PACKAGING AND DISPENSING UNIT DOSES OF PERSONAL CARE PRODUCTS

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR VERPACKUNG UND AUSGABE VON EINHEITSDOSEN VON KÖRPERPFLEGEPRODUKTEN

Title (fr)

DISPOSITIFS ET PROCÉDÉS D'EMBALLAGE ET DE DISTRIBUTION DE DOSES UNITAIRES DE PRODUITS DE SOINS PERSONNELS

Publication

**EP 3122407 A4 20180103 (EN)**

Application

**EP 15770067 A 20150323**

Priority

- US 201461970286 P 20140325
- US 2015022052 W 20150323

Abstract (en)

[origin: US2015274344A1] Packaging and delivery systems for personal care products and methods of providing samples or single units of use, include dispensing devices that produce a spray, mist, or stream delivery of measured amounts of personal care products packaged in internally pierced blister unit doses which protect the quality of the unused product and reduce the amount of product wasted in providing samples.

IPC 8 full level

**A61M 15/00** (2006.01)

CPC (source: EP US)

**B65B 69/005** (2013.01 - EP US); **B65D 75/326** (2013.01 - EP US); **A45D 40/0087** (2013.01 - EP US); **B65D 2221/00** (2013.01 - EP US)

Citation (search report)

- [XAYIJ] US 8377009 B2 20130219 - SULLIVAN TIMOTHY R [US], et al
- [Y] FR 2778639 A1 19991119 - VALOIS SA [FR]
- [Y] US 4786534 A 19881122 - AIKEN RADCLIFFE W [US]
- [Y] US 7988073 B2 20110802 - LIGNY JEAN-JACQUES [FR], et al
- See references of WO 2015148397A1

Cited by

CN111198269A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2015274344 A1 20151001**; EP 3122407 A1 20170201; EP 3122407 A4 20180103; WO 2015148397 A1 20151001

DOCDB simple family (application)

**US 201514666004 A 20150323**; EP 15770067 A 20150323; US 2015022052 W 20150323