Title (en)
ASSEMBLY AND METHOD FOR AEROSOL SPRAYING A LIQUID PRODUCT CONTAINED IN A CONTAINER

Title (de)
VORRICHTUNG UND VERFAHREN ZUM SPRÜHEN EINES IN EINEM BEHÄLTER ENTHALTENEN FLÜSSIGEN PRODUKTS

Title (fr)
ENSEMBLE ET METHODE POUR PULVERISER UN PRODUIT LIQUIDE CONTENU DANS UN RESERVOIR

Publication
EP 2600980 B1 20160427 (EN)

Application
EP 11755120 A 20110729

Priority
• IT MI20101460 A 20100802
• IB 2011001794 W 20110729

Abstract (en)
[origin: WO2012017293A1] The invention relates to an assembly (10) for aerosol spraying a liquid product contained in a container. Said assembly (11) comprises a container (20) of the disposable type containing only the liquid product (L) to be aerosol sprayed and means (50, 52) for feeding into the container (20) pressurised air (A) with a constant pressure. The container (20) comprises a case (20a) on which an aperture (28) is formed for feeding said pressurised air (A) into the container (20). At a top portion of said case (20a) a valve (22) for mixing said liquid product (L) with said pressurised air (A) so as to obtain an aerosol mixture and a nozzle (24) for supplying said aerosol mixture are provided, said nozzle (24) being mechanically and fluid- dynamically associated with said valve (22). According to the invention, the feeding of the pressurised air (A) into said container (20) is carried out both before the opening of said valve (22), that is in a step of loading the container (20), and while the valve (22) is opened, that is during aerosol spraying of the liquid product (L).

IPC 8 full level
B05B 7/24 (2006.01); **B65B 31/00** (2006.01)

CPC (source: EP US)
B05B 7/2416 (2013.01 - EP US); **B05B 7/2475** (2013.01 - EP US); **B65B 31/003** (2013.01 - EP US)

Citation (examination)
FR 1002297 A 19520304

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)
WO 2012017293 A1 20120209; BR 112013002546 A2 20170926; CN 103118799 A 20130522; EP 2600980 A1 20130612;
EP 2600980 B1 20160427; IT 1401505 B1 20130726; IT MI20101460 A1 20120203; US 2013126560 A1 20130523

DOCDB simple family (application)
IB 2011001794 W 20110729; BR 112013002546 A 20110729; CN 201180046383 A 20110729; EP 11755120 A 20110729;
IT MI20101460 A 20100802; US 201113812679 A 20110729