

Title (en)

METHOD AND ELECTRICAL, ELECTRONIC AND MECHANICAL DEVICE FOR DISPENSING, METERING OR DIFFUSING LIQUID OR GASEOUS AROMAS, MEDICINES AND OTHER LIQUID OR VISCOUS PRODUCT

Publication

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Application

**EP 90401148 A 19900427**

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Abstract (en)

[origin: EP0401060A1] The invention concerns a method for dispensing, metering or distributing a liquid product, whether volatile or not, without using a propellant gas, the liquid being more particularly a perfume, a cosmetic, an insecticide or a medicine. The method uses a vaporizer of the type with a pump for distribution (1) or spraying by expelling a liquid under pressure through a spray nozzle. A mechanical system (10, 12) is used during the expulsion stage to obtain an instantaneous pressure producing one dose or a spray, comparable to an aerosol produced by a liquefied or compressed propellant gas, in which the separate particles of liquid are no greater than 45 microns across in the liquid phase, and are less than one micron across in the gaseous phase after vaporization, with no alteration in the products. <??>The invention is also concerned with a system for protection or to ensure exclusive personal use by means of a coding-decoding method, which may be mechanical, electronic or a combination of the two, assisted by an audio-electronic speech synthesis system. <IMAGE>

IPC 1-7

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Cited by

WO2021224379A1; EP0546898A1; FR3109870A1; FR2706330A1; AU677344B2; FR2671986A1; EP0497709A3; US5277341A; US10011419B2; WO9429032A1; WO2007132140A1; WO9212801A1; WO2009050263A1; WO9603218A1; WO2016064684A1

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