Title (en)

Device for spraying at least one product on a substrate, especially on a keratinous substrate such as skin

Title (de)

Einrichtung zum Zerstäuben von mindestens eines Produktes auf einem Substrat, insbesondere auf einem Keratinsubstrat wie Haut

Title (fr)

Dispositif de pulvérisation d'au moins un produit sur un support, notamment un support kératinique tel que la peau

Publication

EP 1302246 B1 20060712 (FR)

Application

EP 02292507 A 20021011

Priority

FR 0113098 A 20011011

Abstract (en)

[origin: US2003085302A1] A device for spraying at least one substance onto a medium includes a supply of vector gas, a substance feed in communication with a supply of the substance and at least one shutter which interrupts communication between the substance feed and the supply of substance. The substance can be sucked from the supply by suction established in the vicinity of the substance feed by emission of the vector gas. The vector gas is emitted from at least one gas outlet orifice located in the vicinity of the substance feed.

IPC 8 full level

A45D 34/04 (2006.01); **B05B 7/24** (2006.01); **B05B 1/26** (2006.01); **B05B 9/04** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP)

B05B 7/2421 (2013.01); **B05B 7/2429** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

US 2003085302 A1 20030508; **US 7159796 B2 20070109**; CA 2407213 A1 20030411; CA 2407213 C 20070313; DE 60213052 D1 20060824; DE 60213052 T2 20070118; EP 1302246 A1 20030416; EP 1302246 B1 20060712; ES 2266428 T3 20070301; FR 2830778 A1 20030418; FR 2830778 B1 20040709; JP 2003181336 A 20030702

DOCDB simple family (application)

US 26569502 A 20021008; CA 2407213 A 20021010; DE 60213052 T 20021011; EP 02292507 A 20021011; ES 02292507 T 20021011; FR 0113098 A 20011011; JP 2002334341 A 20021011