

Title (en)
MEDICAMENT DISPENSER

Title (de)
MEDIKAMENTENSPENDER

Title (fr)
DISTRIBUTEUR DE MEDICAMENT

Publication
EP 1727579 A1 20061206 (EN)

Application
EP 04710369 A 20040212

Priority
EP 2004001322 W 20040212

Abstract (en)
[origin: WO2005077445A1] A dispenser serves for ejecting a substance (26) like a fluid or a powder when being used. The dispenser comprises a housing (2), which accommodates a cartridge (12) which contains the substance and which is provided with an ejection nozzle (24) directed against an outlet of the housing and a dosing piston (25) in sliding engagement with the cartridge. The housing also accommodates an actuator (22) which is in cooperation with the cartridge and which is provided with a drive spring (30) loaded drive piston (31) slidably mounted in the actuator between a retracted position, in which the drive spring (30) is compressed, and an advanced position, in which the drive piston has been released and the dosing piston of the cartridge has been impacted by the drive piston in the ejection mode of the dispenser. By means of the dispenser according to the invention it is possible to eject e.g. a medicine into an extremely fine mist and force the mist into the mouth and lungs of a user without using a propellant gas. Moreover it is possible to adjust the quantity of medicine per dose in strict agreement with the user's often very varying requirement for medicine. The dispenser is especially useful for a diabetic person, which now advantageously can inhale the required insulin instead of, as conventionally, intramuscularly injecting the insulin.

IPC 8 full level
A61M 15/00 (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP)
A61M 15/0065 (2013.01); **A61M 15/0066** (2014.02); **A61M 15/007** (2014.02); **A61M 15/0081** (2014.02); **A61M 15/0091** (2013.01); **A61M 2202/064** (2013.01)

Citation (search report)
See references of WO 2005077445A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005077445 A1 20050825; EP 1727579 A1 20061206

DOCDB simple family (application)
EP 2004001322 W 20040212; EP 04710369 A 20040212