

Title (en)
NEEDLE-FREE INJECTION DEVICE

Title (de)
NADELFREIE INJEKTIONSVORRICHTUNG

Title (fr)
DISPOSITIF D'INJECTION SANS AIGUILLE

Publication
EP 1722842 A1 20061122 (EN)

Application
EP 05701833 A 20050111

Priority

- GB 2005000063 W 20050111
- GB 0401567 A 20040126
- CA 2455930 A 20040127
- US 76785904 A 20040128

Abstract (en)
[origin: WO2005070483A1] A disposable gas-powered needle-free injection device comprising an outer housing (1) having a nozzle (3) for medicament at a forward end thereof; an inner housing (5) located at least partly within the outer housing; a piston (12) and ram (11) which can be driven into the nozzle, in use, to drive medicament through the nozzle; a pierceable gas cylinder (13) for providing driving power to the ram and piston; wherein the inner housing is axially moveable away from said nozzle, said axial movement being guided by cooperating guide means on said inner and outer housings and enabling a desired dose of medicament to be drawn into said nozzle, ready for injection.

IPC 8 full level
A61M 5/30 (2006.01); **A61M 5/20** (2006.01); **A61M 5/315** (2006.01); **A61M 5/50** (2006.01)

CPC (source: EP)
A61M 5/30 (2013.01); **A61M 5/2053** (2013.01); **A61M 5/31551** (2013.01); **A61M 5/3156** (2013.01); **A61M 5/5086** (2013.01); **A61M 2205/581** (2013.01); **A61M 2205/582** (2013.01); **A61M 2205/583** (2013.01)

Citation (search report)
See references of WO 2005070483A1

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

DOCDB simple family (publication)
WO 2005070483 A1 20050804; EP 1722842 A1 20061122

DOCDB simple family (application)
GB 2005000063 W 20050111; EP 05701833 A 20050111