

Title (en)  
DELIVERY OF MICROPARTICLE FORMULATIONS USING NEEDLELESS SYRINGE DEVICE FOR SUSTAINED-RELEASE OF BIOACTIVE COMPOUNDS

Title (de)  
VERABREICHUNG VON MIKROTEILCHEN-FORMULIERUNGEN UNTER VERWENDUNG EINER NADELLOSEN SPRITZE ZUR VERZÖRGERTEN FREIGABE BIOAKTIVER VERBINDUNGEN

Title (fr)  
ADMINISTRATION DE FORMULATIONS MICROPARTICULAIRES A L'AIDE D'UNE SERINGUE SANS AIGUILLE POUR LA LIBERATION LENTE DE COMPOSES BIOACTIFS

Publication  
**EP 1158961 A1 20011205 (EN)**

Application  
**EP 00907848 A 20000308**

Priority  
• GB 0000847 W 20000308  
• US 12326499 P 19990308  
• US 26442799 A 19990308

Abstract (en)  
[origin: WO0053160A1] A composition for administration to a subject by means of a needleless syringe comprises particles which have a mean mass aerodynamic diameter of from 1 to 250 microns and an envelope density of from 0.1 to 25 g/cm<sup>3</sup>, the particles comprising a biologically active agent and a sustained-release material which controls the release of the active agent to the subject following administration.

IPC 1-7  
**A61K 9/16**; **A61M 5/30**

IPC 8 full level  
**A61K 9/16** (2006.01)

CPC (source: EP)  
**A61K 9/0021** (2013.01); **A61K 9/1647** (2013.01)

Citation (search report)  
See references of WO 0053160A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0053160 A1 20000914**; AU 2931200 A 20000928; AU 770235 B2 20040219; CA 2364198 A1 20000914; EP 1158961 A1 20011205; JP 2002538195 A 20021112; NZ 513981 A 20040227

DOCDB simple family (application)  
**GB 0000847 W 20000308**; AU 2931200 A 20000308; CA 2364198 A 20000308; EP 00907848 A 20000308; JP 2000603649 A 20000308; NZ 51398100 A 20000308