

Title (en)
PHARMACEUTICAL PRODUCT AND METHODS AND APPARATUS FOR MAKING SAME

Title (de)
PHARMAZEUTISCHES PRODUKT UND VERFAHREN UND GERÄT ZU SEINER HERSTELLUNG

Title (fr)
PRODUIT PHARMACEUTIQUE, PROCEDE ET DISPOSITIF DE REALISATION

Publication
EP 1089721 A1 20010411 (EN)

Application
EP 99930159 A 19990608

Priority

- US 9912772 W 19990608
- US 9561698 A 19980610
- US 9524698 A 19980610

Abstract (en)
[origin: WO9963972A1] The present invention provides a product (1) that includes a pharmaceutical unit dosage or diagnostic form (6) that includes at least one active ingredient that is present in an amount that advantageously does not vary by more than about five percent from a predetermined target amount. In one embodiment, the unit form comprises a substrate (8), a deposit (14) that is disposed on the substrate and a cover layer (9) that overlies the deposit and is joined to the substrate by a bond that encircles that deposit, thereby encapsulating it between the substrate and cover substrates. The deposit comprises a powder, at least some of which includes the at least one active ingredient. The unit form is created via a dry powder deposition apparatus that electrostatically deposits the powder on the substrate utilizing an electrostatic chuck and charged powder delivery apparatus.

IPC 1-7
A61K 9/70; **B65B 1/30**; **B65B 1/04**; **B65B 11/50**; **B65D 75/34**

IPC 8 full level
A61J 3/00 (2006.01); **A61K 9/16** (2006.01); **A61K 9/51** (2006.01); **A61K 9/70** (2006.01); **A61K 9/14** (2006.01); **B05B 5/025** (2006.01); **B05B 5/16** (2006.01); **B65B 1/04** (2006.01); **B65B 1/30** (2006.01); **B65B 11/50** (2006.01); **A61J 1/03** (2006.01); **B05B 5/08** (2006.01)

CPC (source: EP KR)
A61J 3/00 (2013.01 - EP); **A61K 9/70** (2013.01 - EP KR); **B65B 1/04** (2013.01 - EP); **B65B 1/30** (2013.01 - EP); **B65B 11/50** (2013.01 - EP); **A61J 1/035** (2013.01 - EP); **B05B 5/08** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 9963972 A1 19991216; **WO 9963972 A9 20001012**; AU 4675599 A 19991230; AU 763869 B2 20030731; CA 2333107 A1 19991216; CN 1312709 A 20010912; EP 1089721 A1 20010411; HU P0102753 A2 20011128; IL 140087 A0 20020210; JP 2002517304 A 20020618; KR 20010052734 A 20010625; NZ 508402 A 20030829

DOCDB simple family (application)
US 9912772 W 19990608; AU 4675599 A 19990608; CA 2333107 A 19990608; CN 99809418 A 19990608; EP 99930159 A 19990608; HU P0102753 A 19990608; IL 14008799 A 19990608; JP 2000553041 A 19990608; KR 20007014015 A 20001209; NZ 50840299 A 19990608