

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 January 2002 (17.01.2002)

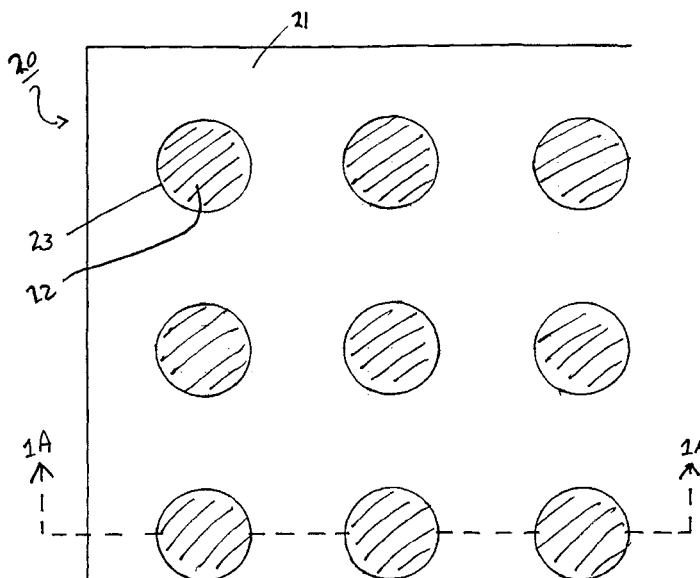
PCT

(10) International Publication Number
WO 02/04202 A1

- (51) International Patent Classification⁷: **B32B 3/24**, B05D 1/32, B05B 5/00
- (74) Agent: **JACKSON, Arthur, E.**; Dechert, Princeton Pike Corporate Center, P.O. Box 5218, Princeton, NJ 08543 (US).
- (21) International Application Number: PCT/US01/41339
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (22) International Filing Date: 11 July 2001 (11.07.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/217,305 11 July 2000 (11.07.2000) US
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant: **DELSYS PHARMACEUTICAL CORPORATION** [US/US]; 11 Deer Park Drive, Suite 202, Monmouth Junction, NJ 08852 (US).
- (72) Inventors: **MURARI, Ramaswamy**; 39 Wesley Road, Hillsborough, NJ 08876 (US). **CHEN, Jen-Chi**; 80 Annamarie Drive, Morrisville, PA 19067 (US). **CHRAI, Suggy, S.**; 16 Bodine Drive, Cranbury, NJ 08512 (US).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: SUBSTRATES FOR POWDER DEPOSITION CONTAINING CONDUCTIVE DOMAINS



(57) Abstract: Provided is, among other things, a conductive inlay film comprising; a layer of dielectric film (21) having a pattern of holes (23) suitable to define selected regions to which particles will be deposited by electrostatic deposition; and a conductive element (22) comprising polymer, which element comprises (a) a conductive film laminated (22) against the dielectric film (21) or (b) a conductive film embedded within the holes (23), the portion of the conductive element appearing within the holes comprising conductive inlays, wherein the conductive element (22) is adapted to contact one or more electrode pads and provide electrical potential at the selected regions, and wherein the dielectric film (21) electrically isolates the selected regions.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.