

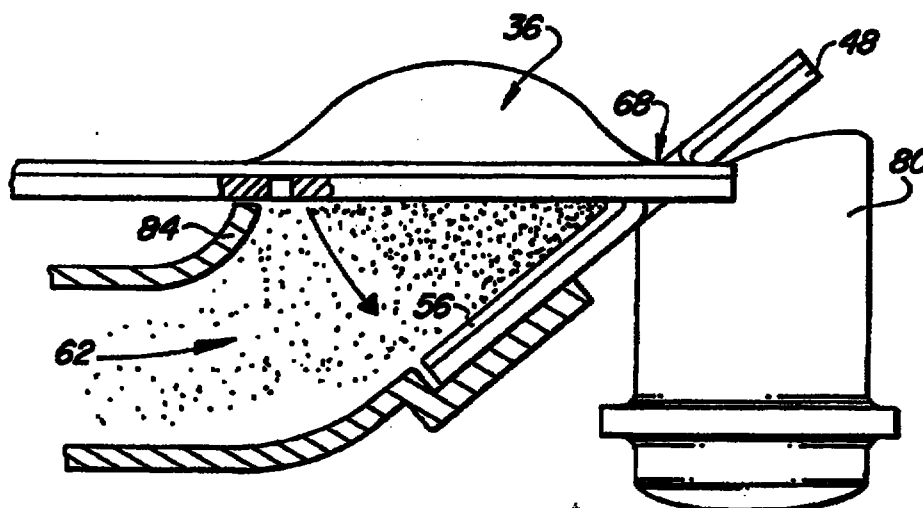
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(21) International Application Number: PCT/US96/03408 (22) International Filing Date: 13 March 1996 (13.03.96) (30) Priority Data: 08/428,960 24 April 1995 (24.04.95) US (71) Applicant: DURA PHARMACEUTICALS, INC. [US/US]; 5880 Pacific Center Boulevard, San Diego, CA 92121 (US). (72) Inventors: EISELE, Robert, F.; 25432 Fallen Oak Lane, Laguna Niguel, CA 92677 (US). CAMERON, Allan; 272 Entrada Drive, Santa Monica, CA 90402 (US). TITZLER, David; 753 Avenida Loma Portal, Newbury Park, CA 91320 (US). PORCHE, Leonard; 4756 Adam Road, Simi Valley, CA 93063 (US). (74) Agents: OHRINER, Kenneth, H. et al.; Lyon & Lyon, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071-2066 (US).		(81) Designated States: AU, BG, BR, BY, CA, CN, CZ, EL, HU, JP, KP, KR, KZ, MN, MX, NO, NZ, PL, RO, RU, SG, SK, UA, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report.

(54) Title: DRY POWDER INHALER DELIVERY SYSTEM**(57) Abstract**

A powder storage and delivery system for a drug powder inhaler (20) has a carrier disk (46) with a blister shell (54) sealed by a shear layer (56). A tab (48) is adhered to the shear layer (56), underneath the blister shell (54). The carrier disk (46) is placed into a dry powder inhaler (20). An actuator (80) pushes against the tab (48), causing the shear layer (56) to tear away, releasing the powder drug contents (62) from the blister into the dry powder inhaler (20). A disk carrier (130) has bursting blisters (132) with a brittle blister shell (132) sealed with a foil lid (150), and covered by a plate (136). An actuator (160) moves against the plate (136), causing the plate (136) to buckle and the blister shell (132) to burst open, releasing powdered drug (62) into the dry powder inhaler (20).