



- (51) **International Patent Classification:**
A61N 1/30 (2006.01) *A61M 37/00* (2006.01)
- (21) **International Application Number:**
PCT/US2013/029104
- (22) **International Filing Date:**
5 March 2013 (05.03.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/476,960 21 May 2012 (21.05.2012) US
- (71) **Applicants:** **INCLINE THERAPEUTICS, INC.** [US/US]; 900 Saginaw Drive, Suite 200, Redwood City, CA 94063 (US). **ALZA CORPORATION** [US/US]; 700 Eubanks Drive, Vacaville, CA 95688 (US).
- (72) **Inventors:** **WHITE, Bradley, E.**; 700 Eubanks Drive, Vacaville, CA 95688 (US). **LEMKE, John**; 900 Saginaw Drive, Suite 200, Redwood City, CA 94063 (US). **HAYTER, Paul**; 700 Eubanks Drive, Vacaville, CA 95688 (US). **CHEN, Corinna, X.**; 900 Saginaw Drive, Suite 200, Redwood City, CA 94063 (US). **READ, Brian, W.**; 900 Saginaw Drive, Suite 200, Redwood City, CA 94063 (US). **DOUGHERTY, Jason, E.**; 900 Saginaw Drive, Suite 200, Redwood City, CA 94063 (US).
- (74) **Agents:** **SHOOP, Richard, D.** et al.; Shay Glenn LLP, 2755 Campus Drive, Suite 210, San Mateo, CA 94403 (US).
- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report (Art. 21(3))

(54) **Title:** SELF-TEST FOR ANALGESIC PRODUCT

(57) **Abstract:** Electrotransport drug delivery devices, system and methods of using configured to determine if a current is present between the anode and cathode when drug is not intended to be delivered by the device. These devices/systems may include an off-current module to determine that any current (e.g., which may be inferred by measuring potential difference between the anode and cathode of the device) flowing between the anode and cathode is below a threshold value when the device is not supposed to be delivering drug, thereby preventing unintended delivery of drug and/or alerting a user that unintended delivery of drug may occur.

