

(19) World Intellectual Property Organization
International Bureau



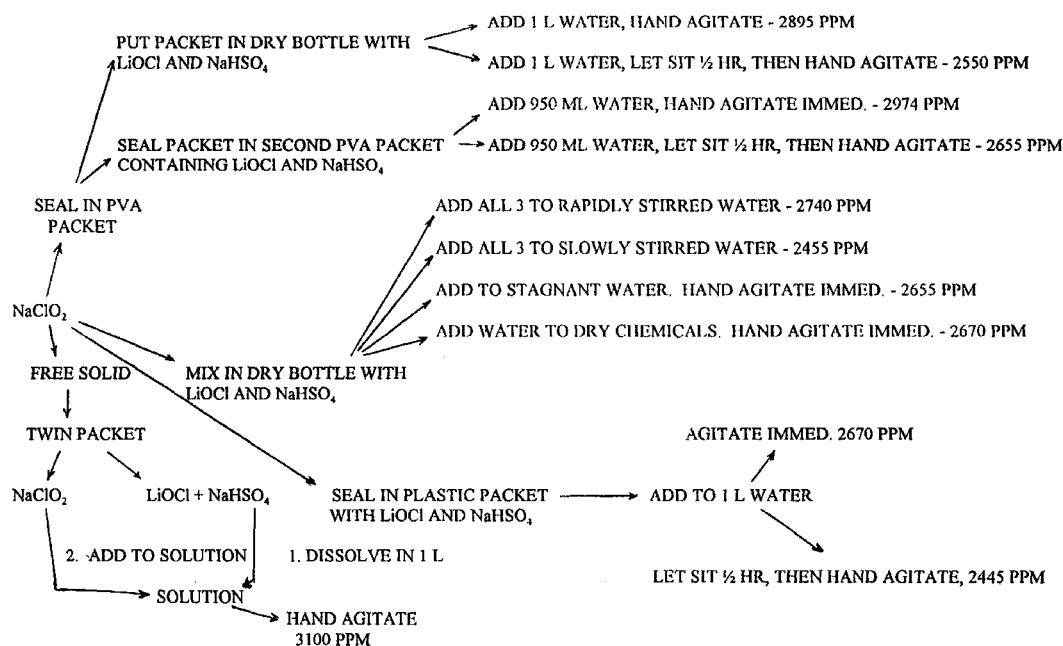
(43) International Publication Date
18 April 2002 (18.04.2002)

PCT

(10) International Publication Number
WO 02/30203 A1

- (51) International Patent Classification⁷: **A01N 59/08**, A61K 33/14, A62D 3/00, C01B 7/00
- (21) International Application Number: PCT/US01/30644
- (22) International Filing Date: 1 October 2001 (01.10.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
09/689,236 12 October 2000 (12.10.2000) US
- (71) Applicant: **VULCAN CHEMICALS** [US/US]; Floor 5, 1200 Urban Center Drive, P.O. Box 530390, Birmingham, AL 35242-0390 (US).
- (72) Inventor: **PITOCELLI, Anthony, R.**; 6200 South Ridge Road, Wichita, KS 67215 (US).
- (74) Agent: **GAMSON, Robert, M.**; Armstrong, Westerman & Hattori, LLP, 502 Washington Avenue, Suite 220, Towson, MD 21204 (US).
- (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, 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.
- (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, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- 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.*

(54) Title: COMPOSITION FOR GENERATING CHLORINE DIOXIDE



(57) Abstract: A dry disinfectant composition for the production of aqueous solutions of chlorine dioxide of predetermined concentration is formulated of a mixture of lithium hypochlorite, sodium bisulfate and sodium chlorite. Special liquid and dry formulations are also contemplated for convenience of use, for quality assurance and for safety.