(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 May 2009 (22.05.2009)

PCT

(10) International Publication Number
WO 2009/064550 A1

(51) International Patent Classification:
G06Q 40/00 (2006.01)

(21) International Application Number:
PCT/US2008/078931

(22) International Filing Date: 6 October 2008 (06.10.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/987,993 14 November 2007 (14.11.2007) US

(71) Applicant *(for all designated States except US)*: **CREDITEX GROUP, INC.** [US/US]; 875 Third Avenue, New York, NY 10022 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ROWELL, Mark, A.** [GB/GB]; 2 Amberley Road, Enfield, London N13 4BJ (GB). **CROWLEY, Christopher, J.** [GB/GB]; 4, Leigh House, 1-4 Halcrow Street, London E1 2HF (GB). **DOERR, F., Charles** [US/US]; 23 E. 10th Street, Apt. PH-E, New York, NY 10003 (US).

(74) Agents: **LI, Charles (ce)** et al.; Goodwin Procter LLP, 901 New York Avenue, NW, Washington, DC 20001 (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, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

WO 2009/064550 A1

(54) **Title:** TECHNIQUES FOR REDUCING DELTA VALUES OF CREDIT RISK POSITIONS IN ONLINE TRADING OF CREDIT DERIVATIVES

(57) **Abstract:** Techniques for reducing delta values of credit risk positions in online trading of credit derivatives are disclosed. In one embodiment, an electronic trading system of credit derivatives comprises a processor adapted to communicate with at least one storage device and a user interface to execute instructions to perform the following tasks: receiving a plurality of credit risk positions submitted by a plurality of trader clients, each credit risk position having a delta value and a maturity date; identifying at least two trader clients who hold offsetting credit risk positions on at least two maturity dates; determining delta offsets to be applied to delta values of the credit risk positions, such that an overall delta of each credit risk positions remains substantially unchanged after the application of the delta offsets; calculating notional amounts of credit derivative trades needed to realize the delta offsets; and executing the credit derivative trades.