

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 September 2020 (10.09.2020)



(10) International Publication Number
WO 2020/180739 A1

(51) International Patent Classification:

G06Q 30/06 (2012.01) G06Q 20/40 (2012.01)
G06Q 20/38 (2012.01) G06Q 30/08 (2012.01)

(21) International Application Number:

PCT/US2020/020525

(22) International Filing Date:

28 February 2020 (28.02.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/812,602 01 March 2019 (01.03.2019) US

(71) Applicant: **BROADRIDGE FIXED INCOME LIQUIDITY SOLUTIONS, LLC** [US/US]; 2 Gateway Center, Newark, NJ 07102 (US).

(72) Inventors: **TOFFEY, James**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **HUSTON, Spenser**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **MAYADAS, Vijay**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **GARTLAND, William**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **DUIGNAN, Thomas**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **MONTGOMERY, Rick**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **CASS, Albert, John**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US). **NALLAGONDA, Sunee**; Broadridge Fixed Income Liquidity Solutions, LLC, 2 Gateway Center, Newark, NJ 07102 (US).

(54) Title: COMPUTER PLATFORMS DESIGNED FOR IMPROVED ELECTRONIC EXECUTION OF ELECTRONIC TRANSACTIONS AND METHODS OF USE THEREOF

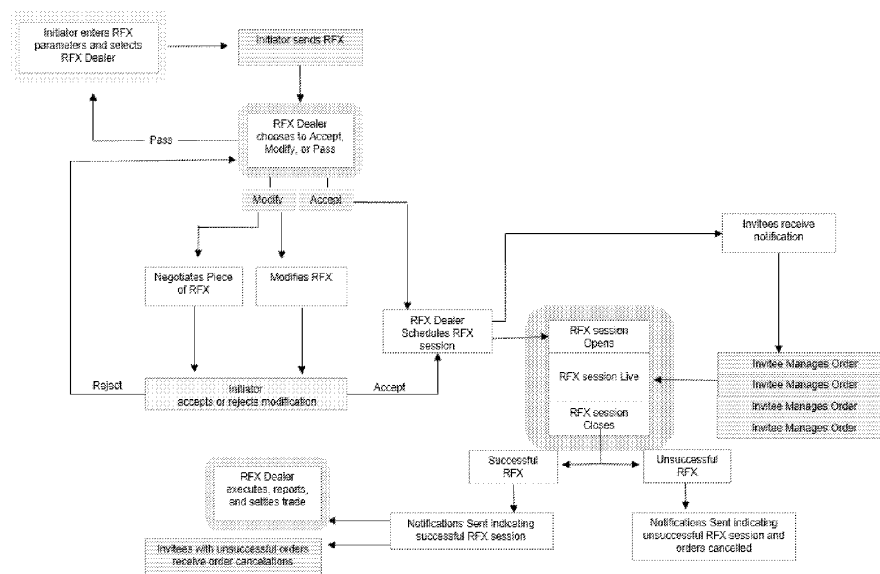


FIG. 1A

(57) Abstract: In order to facilitate secure and confidential electronic exchanges, systems and methods include establishing an electronic communication session based on participation levels controlled by a stack software object such that each invitee computing device associated with each invitee is prevented from accessing activities in the electronic communication session unless the invitee satisfies first predetermined parameters based on a locked stack participation level; an initiating computing device associated with the initiating user is enabled to access the electronic communication setting at a reserve level while each invitee computing device is prevented from accessing the activities in the electronic communication session unless the invitee satisfies second predetermined parameters based on an unlocked stack participation level; and the initiating computing device and each invitee computing device are enabled to access the

[Continued on next page]

(74) **Agent: REICHLEN, Kristopher, D.;** Greenberg Traurig, LLP, 500 Campus Drive, Suite 400, Florham Park, NJ 07932-0677 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, 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, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, 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, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))