



- (51) **International Patent Classification:**
G06Q 40/04 (2012.01) *G06Q 30/02* (2012.01)
- (21) **International Application Number:**
PCT/CN2019/071066
- (22) **International Filing Date:**
10 January 2019 (10.01.2019)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
201810022602.5 10 January 2018 (10.01.2018) CN
- (71) **Applicant:** SHANGHAI WEILIAN INFORMATION TECHNOLOGY CO., LTD. [CN/CN]; Room 229, Building 3, NO.161, Lane 465, Zhenning Road, Changning District, Shanghai 200050 (CN).
- (72) **Inventors:** TIAN, Xinli; Room 503, Block 20, Lane 409, Qingtong Road, Pudong District, Shanghai 201203 (CN). GU, Jianliang; Room 2301, Block C, Lane 555, Hailun Road, Hongkou District, Shanghai 200080 (CN). ZHOU, Ziheng; Room 805, Block 1, Lane 180, Guyi Road, Xuhui District, Shanghai 200235 (CN).

- (74) **Agent:** AFD CHINA INTELLECTUAL PROPERTY LAW OFFICE; Suite B 1601A, 8 Xue Qing Rd., Haidian, Beijing 100192 (CN).

- (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, 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, 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).

(54) **Title:** METHODS, DEVICE, BLOCK CHAIN NODE, COMPUTER-READABLE MEDIA AND SYSTEM FOR CARBON RECORDING AND TRADING BASED ON BLOCK CHAIN

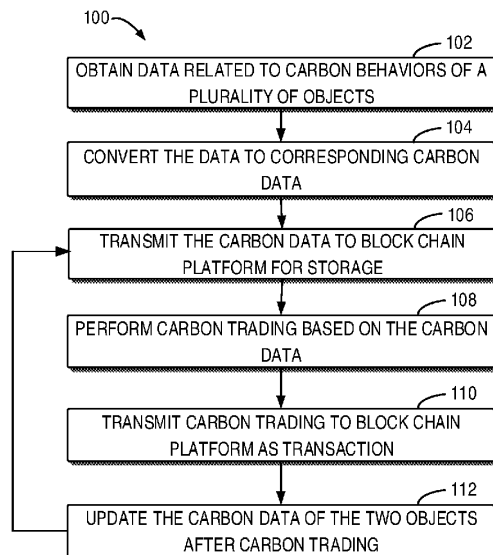


FIG. 1

(57) **Abstract:** Methods, devices, block chain nodes, computer readable media and a system for carbon recording and trading based on a block chain. A method for carbon recording and trading based on a block chain includes: obtaining data related to carbon behaviors of a plurality of objects; converting the data related to the carbon behaviors of the plurality of objects to corresponding carbon data of the plurality of objects, respectively; transmitting the carbon data to a block chain platform for storage; performing, based on the carbon data, a carbon trading between two objects in the plurality of objects or one object in the plurality of objects and a third party object not belonging to the plurality of objects; and distributing the carbon trading to the block chain platform as a block chain transaction.

Published:

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