

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 November 2020 (05.11.2020)



(10) International Publication Number
WO 2020/222051 A1

(51) International Patent Classification:

G06F 9/54 (2006.01) G06Q 30/06 (2012.01)
G06Q 10/08 (2012.01)

(21) International Application Number:

PCT/IB2020/053051

(22) International Filing Date:

31 March 2020 (31.03.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

16/399,365 30 April 2019 (30.04.2019) US

(71) Applicant: **COUPANG CORP.** [KR/KR]; 570 Songpa-daero, Songpa-gu, Seoul 05510 (KR).

(72) Inventors: **MIN, Jie**; 570 Songpa-daero, Songpa-gu, Seoul 05510 (KR). **WANG, Zhongxing**; 570 Songpa-daero, Songpa-gu, Seoul 05510 (KR).

(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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(54) Title: SYSTEMS AND METHODS FOR PROVIDING RESTOCK NOTIFICATIONS USING A BATCH FRAMEWORK

(57) Abstract: The embodiments of the present disclosure provide systems and methods for providing restock notification, comprising a memory storing instructions and at least one processor configured to execute the instructions. The processor may be configured to receive, from a user interface associated with a user, a first request for a restock notification associated with a product, and modify a database to assign a first status to the product. The processor may further be configured to receive a message indicating that the product is available for purchase, and modify the database to assign a second status to the product. The processor may configure a batch framework to periodically analyze the database to identify product with the second status assigned, and determine a notification schedule for sending the restock notification to the user. The processor may be configured to send the restock notification to the user based on the determined notification schedule.

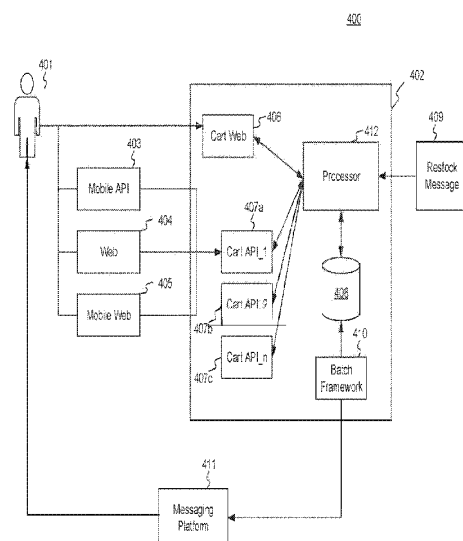


FIG. 4