

(51) International Patent Classification:  
*G06F 16/25* (2019.01)(21) International Application Number:  
PCT/IB2021/051108(22) International Filing Date:  
11 February 2021 (11.02.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
16/799,300 24 February 2020 (24.02.2020) US(71) Applicant: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, New York, 10504 (US).(71) Applicants (for MG only): **IBM UNITED KINGDOM LIMITED** [GB/GB]; PO Box 41, North Harbour, Portsmouth Hampshire PO6 3AU (GB). **IBM (CHINA) INVESTMENT COMPANY LIMITED** [CN/CN]; 25/F, Pangu Plaza, No.27, Central North 4th Ring Road, Chaoyang District, Beijing 100101 (CN).(72) Inventors: **XING, Chengxuan**; IBM United Kingdom Limited, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB). **HARRISON, Ashley, Donald**; IBM Unit-ed Kingdom Limited, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB). **CHAPMAN, Matthew, Paul**; IBM United Kingdom Limited, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB). **DANIEL, Andrew, James**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB).(74) Agent: **SHAW, Anita**; IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB).

(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, IT, 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,

(54) Title: PROVIDING CUSTOMIZED INTEGRATION FLOW TEMPLATES

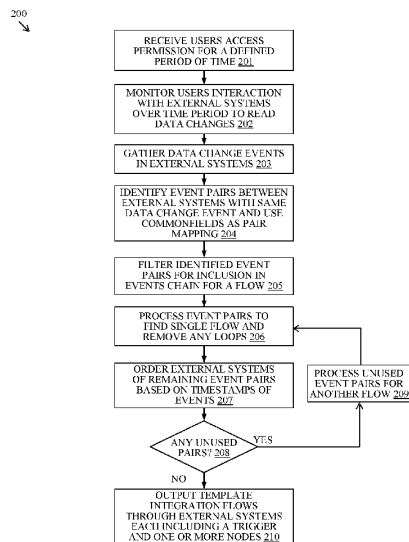


FIG. 2A

(57) Abstract: A method and system are provided for customizing integration flow templates. The method can include monitoring user integration with a plurality of systems external to an integration system to read data changes at the external systems and identifying at least one event pair, wherein each event pair is between two external systems having a same data change event in the two external systems. The identified event pairs are filtered for inclusion in an events chain and the external systems of the filtered event pairs are ordered in the events chain based on timestamps of the data change events. The method outputs integration flow templates based on the ordered external systems of the event pairs that define a flow trigger and at least one flow node.

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))*