



- (51) **International Patent Classification:**
G06F 11/36 (2006.01) *G06F 9/44* (2006.01)
- (21) **International Application Number:**
PCT/US2013/051703
- (22) **International Filing Date:**
23 July 2013 (23.07.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (71) **Applicant:** LANDMARK GRAPHICS CORPORATION [US/US]; 2107 CityWest Blvd Bldg 2, Houston, TX 77042 (US).
- (72) **Inventors:** CRAWSHAY, David; 25326 Overbrook Terrace LN, Katy, Texas 77494 (US). ANGHELESCU, Florin Mugur; 235 Somerglen Road SW, Calgary, Alberta T2Y3V5 (CA).
- (74) **Agents:** PERDOK SHONKA, Monique M. et al.; P.O. Box 2938, Minneapolis, Minnesota 55402 (US).

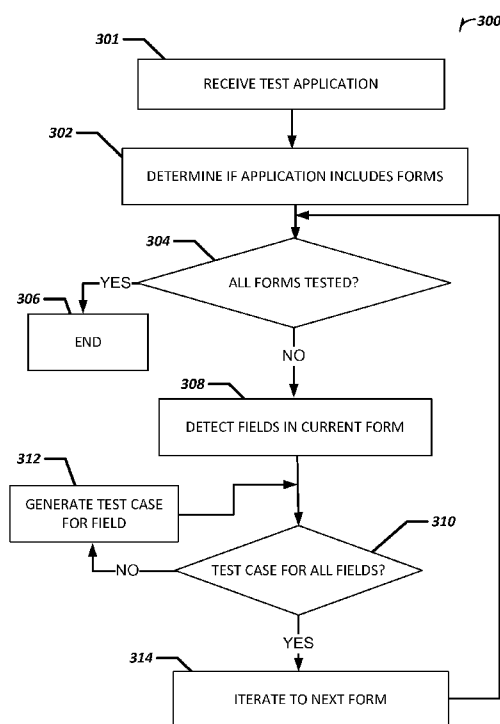
(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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:

— of inventorship (Rule 4.17(iv))

[Continued on next page]

(54) **Title:** AUTOMATED GENERATION OF SCRIPTED AND MANUAL TEST CASES**FIG. 3**

(57) **Abstract:** Systems and methods that provide manual test cases and scripted test cases automatically based on metadata included in a software application. In an embodiment, an application may include elements that generate an output file containing information corresponding to one or more forms with one or more fields in an application. The information may be utilized by a test device or application to automatically generate manual test cases, automated scripted test cases, or a combination of manual and automated test cases based on the information. In an embodiment, a manual test case may include a sequence of instructions in a natural language format. In an embodiment, an automated test case may be in a script language configured to interact with the application or an appropriate application emulator.



Published:

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

— *with amended claims (Art. 19(1))*