

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
04 November 2021 (04.11.2021)



(10) International Publication Number
WO 2021/222209 A1

(51) International Patent Classification:
G06F 15/00 (2006.01) *G06F 17/00* (2019.01)

(21) International Application Number:
PCT/US2021/029346

(22) International Filing Date:
27 April 2021 (27.04.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/016,587 28 April 2020 (28.04.2020) US

(71) Applicant: **MIRATA SOFTWARE, LLC** [US/US]; 180
Surrey Lane, Barrington, Illinois 60010 (US).

(72) Inventors: **PADULA, Richard**; 180 Surrey Lane, Bar-
rington, Illinois 60010 (US). **PADULA, Robert**; 170 N
Old Rand Road, Lake Zurich, Illinois 60047 (US). **FRE-**

DRICK, Randall; 347 Cherry Drive, Steamboat Springs,
Colorado 80487 (US). **ERICKSON, Ronald**; 409 Arabian
Parkway, Sleepy Hollow, Illinois 60118 (US).

(74) Agent: **MASTERS, Robert** et al.; Sheppard, Mullin,
Richter & Hampton LLP, 2099 Pennsylvania Ave, NW,
Suite 100, Washington, District of Columbia 20006 (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, 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.

(54) Title: A SYSTEM AND METHOD FOR DYNAMICALLY DEFINING DIGITAL FORMS

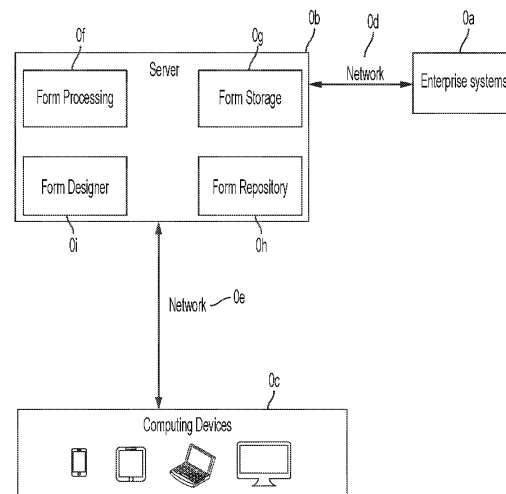


FIG. 1A

(57) Abstract: A system and method for dynamically generating, defining and customizing forms and workflows based on a user's input and design, and to facilitate content management through real-time artificial intelligence and machine learning processing across a variety of field-force industries and the like. The system and method can be used on a wide variety of physical devices, including web browsers, mobile devices, smartphones and tablets, and can be embedded in software applications. An example system and method allows for the designing, routing, filling out, and recording of forms to update back-end systems, and dramatically expands the number of users who can design complex, enterprise-grade forms and workflows for complex processes, thus lowering costs and accelerating adoption.

[Continued on next page]

WO 2021/222209 A1

(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))