

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
08 August 2019 (08.08.2019)



(10) International Publication Number
WO 2019/150243 A1

- (51) International Patent Classification:
G01N 21/89 (2006.01) *G06T 3/40* (2006.01)
B41F 33/00 (2006.01) *G06T 7/00* (2017.01)
- (21) International Application Number: PCT/IB2019/050678
- (22) International Filing Date: 28 January 2019 (28.01.2019)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 62/624,272 31 January 2018 (31.01.2018) US
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- (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,

(54) Title: VIRTUAL CAMERA ARRAY FOR INSPECTION OF MANUFACTURED WEBS

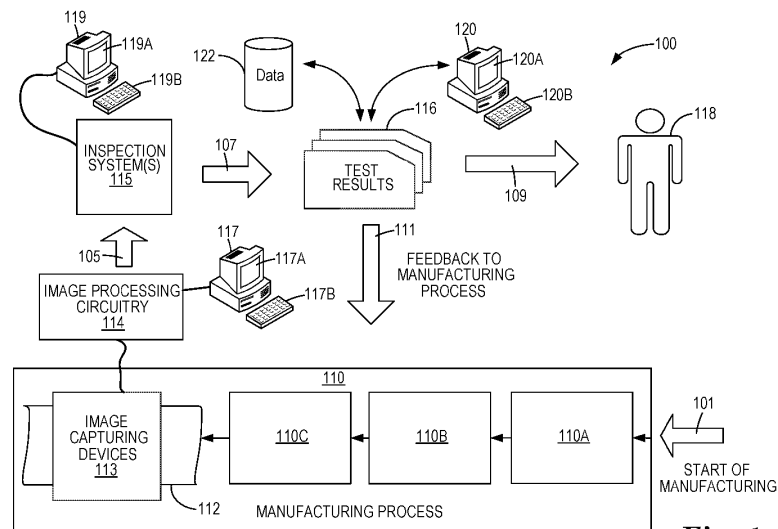


Fig. 1

(57) Abstract: System and methods used to inspect a moving web (112) include a plurality of image capturing devices (113) that image a portion of the web at an imaging area. The image data captured by each of the image capturing devices at the respective imaging areas is combined to form a virtual camera data array (105) that represents an alignment of the image data associated with each of the imaging areas to the corresponding physical positioning of the imaging areas relative to the web. The image output signals generated by each of the plurality of image capturing devices may be processed by a single image processor, or a number of image processors (114) that is less than the number of image capturing devices. The processor or processors are arranged to generate the image data forming the virtual camera array.

[Continued on next page]

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).

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))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*