

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 October 2020 (29.10.2020)



(10) International Publication Number
WO 2020/219553 A1

(51) International Patent Classification:

G07D 7/00 (2016.01) G07D 7/206 (2016.01)
G07D 7/12 (2016.01) G07D 7/20 (2016.01)

(21) International Application Number:

PCT/US2020/029331

(22) International Filing Date:

22 April 2020 (22.04.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/838,046 24 April 2019 (24.04.2019) US
16/810,455 05 March 2020 (05.03.2020) US

(71) Applicant: JCM AMERICAN CORPORATION
[US/US]; 925 Pilot Road, Las Vegas, Nevada 89119 (US).

(72) Inventor: PECHINKO, Paul; 925 Pilot Road, Las Vegas,
Nevada 89119 (US).

(74) Agent: INSKEEP, James W.; MASUVALLEY AND
PARTNERS, 9245 Sky Park Court, Suite 110, San Diego,
California 92123 (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, 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))

(54) Title: EVALUATING CURRENCY IN AREAS USING IMAGE PROCESSING

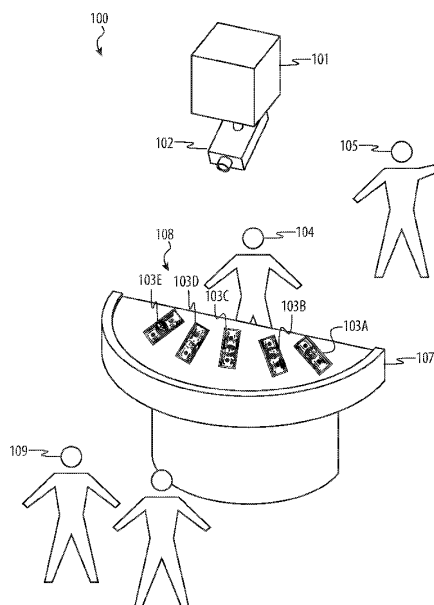


FIG. 1

(57) Abstract: A system evaluates currency in an area using image processing. In some examples, the system receives an image of an area from an image sensor, processes the image to identify at least one item of currency in the area, determine a value of the currency irrespective of validity, and counts the currency. In various examples, the system receives an image of an area from an image sensor; processes the image to identify at least one item of currency in the area; determines whether the currency has an error condition; and when the currency is determined to have the error condition, provides output on the error condition.

WO 2020/219553 A1

[Continued on next page]

Published:

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