



(51) International Patent Classification:

G09C 5/00 (2006.01) H04K 1/00 (2006.01)
G06T 1/00 (2006.01) H04L 9/00 (2006.01)

(21) International Application Number:

PCT/IB2018/000144

(22) International Filing Date:

31 January 2018 (31.01.2018)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10201700761R 31 January 2017 (31.01.2017) SG

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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,

(54) Title: METHOD AND APPARATUS FOR GENERATING A COVER IMAGE FOR STEGANOGRAPHY

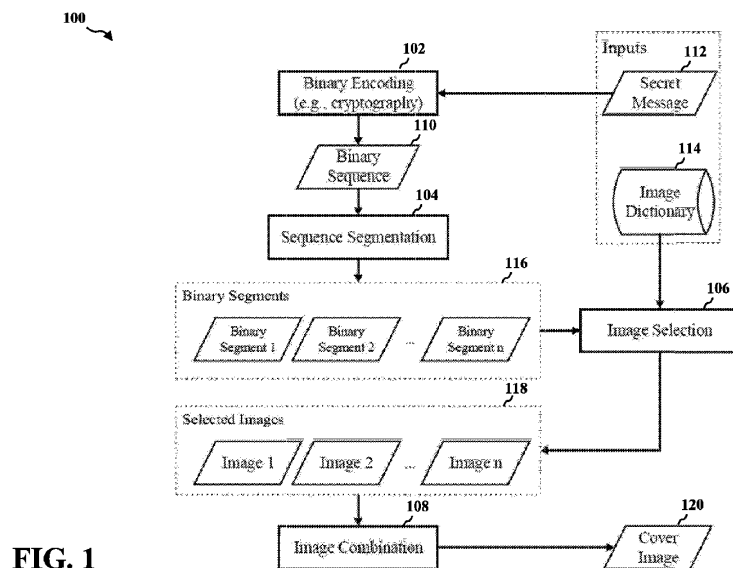


FIG. 1

(57) Abstract: A method and an apparatus for generating cover images for steganography are provided. The steganographic framework is designed based on an image generation system. The apparatus may encode a message to obtain a binary sequence. The apparatus may obtain a plurality of binary segments of a particular length based on the binary sequence. For each binary segment of the plurality of binary segments, the apparatus may select an image of a semantic content (e.g., a numeral digit) from a dictionary of images of random semantic contents (e.g., random numeral digits) based on the binary segment. The apparatus may combine the selected images to form at least a portion of a cover image denoting a combination of the semantic contents of the selected images (e.g., a plurality of numeral digits).

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, 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).

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))
- with information concerning incorporation by reference of missing parts and/or elements (Rule 20.6)