



- (51) International Patent Classification:
G06F 21/00 (2006.01)
- (21) International Application Number:
PCT/US2012/042325
- (22) International Filing Date:
13 June 2012 (13.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/496,204 13 June 2011 (13.06.2011) 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, 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, KM, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,

[Continued on next page]

(54) Title: DELAYING OR DETERRING COUNTERFEITING AND/OR CLONING OF A COMPONENT

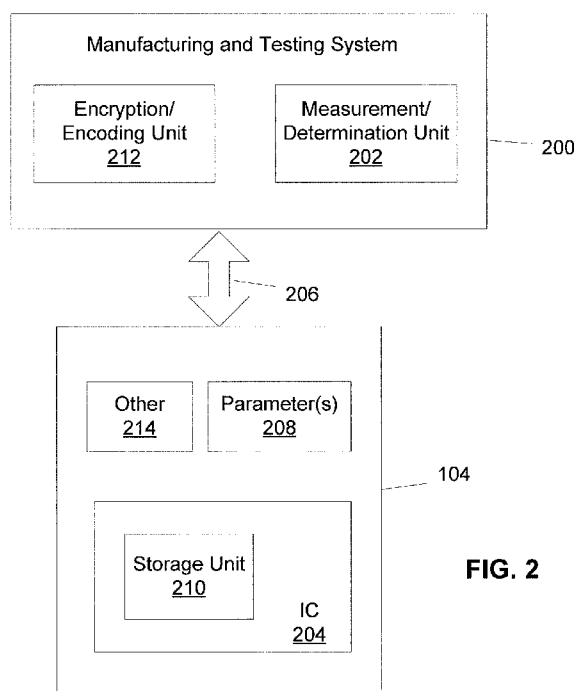


FIG. 2

(57) Abstract: In an embodiment, to deter or delay counterfeiting/cloning of a replacement component of a host device, the replacement component is provided with a code value. The code value is generated from a value of at least one physical parameter of the replacement component and is stored on the replacement component. The host device determines whether the replacement component is authentic if the stored code value matches a reference code value.



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, 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))

(88) Date of publication of the international search report:

25 April 2013

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/042325**A. CLASSIFICATION OF SUBJECT MATTER****G06F 21/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F3/12, G06F1/00, G06G15/00, B41B1/02, G03G 15/00, G03G 21/16, G03G 15/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & keywords: replaceable, consumable, printer, catridge, determine, authentic, code, value, parameter, encode, encryption, and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-0565806 B1 (SAMSUNG CO., LTD.) 22 March 2006 See page 2, lines 18-20; page 4, lines 17-43; page 5, lines 1-2, 23; and figures 1-2.	1-5, 7-8, 14-21, 23-28, 30-32
A		6, 9-13, 22, 29, 33
A	US 2011-0109938 A1 (JACOB GRUNDTVIG REFSTRUP) 12 May 2011 See paragraphs 32-34; and figure 4.	1-33
A	US 2009-0027439 A1 (JOSEPH H. BAUMAN) 29 January 2009 See paragraphs 27-30; and figure 3.	1-33
A	US 2007-0211292 A1 (SIMON ROBERT WALMSLEY) 13 September 2007 See paragraphs 8-18; and claims 1, 15.	1-33
A	US 7286773 B2 (HEIKO ROMMELMANN et al.) 23 October 2007 See column 6, line 35 - column 7, line 45; and figures 4, 7.	1-33

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

22 FEBRUARY 2013 (22.02.2013)

Date of mailing of the international search report

25 FEBRUARY 2013 (25.02.2013)

Name and mailing address of the ISA/KR



Facsimile No. 82-42-472-7140

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Telephone No. 82-42-481-8262



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/042325

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