



- (51) **International Patent Classification:**
G06F 15/18 (2006.01) *A63F 13/85* (2014.01)
- (21) **International Application Number:**
PCT/US2013/044381
- (22) **International Filing Date:**
5 June 2013 (05.06.2013)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/655,661 5 June 2012 (05.06.2012) US
13/668,036 2 November 2012 (02.11.2012) US
- (71) **Applicant:** KNACK.IT CORP. [US/US]; Building 3,
Unit 405, 855 El Camino Real, Palo Alto, CA 94301 (US).
- (72) **Inventors:** HALFTECK, Guy; 855 El Camino Real, Palo
Alto, CA 94301 (US). FUNGE, John; 855 El Camino
Real, Palo Alto, CA 94301 (US).
- (74) **Agent:** LOHSE, Timothy, W.; DLA Piper LLP US, 2000
University Avenue, East Palo Alto, CA 94303 (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, 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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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))

- (88) **Date of publication of the international search report:**
10 April 2014

(54) **Title:** SYSTEM AND METHOD FOR EXTRACTING VALUE FROM GAME PLAY DATA

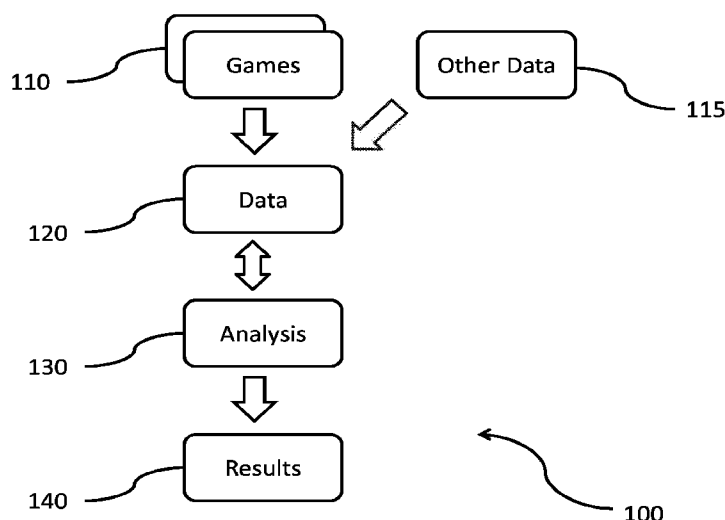


FIG. 1

(57) **Abstract:** A system and method for extracting game play data are provided. The system and method may be used, for example, in an employment embodiment, a school and/or college and/or university embodiment, a dating embodiment, an advertising embodiment, and other embodiment in which it is desirable to be able to extract information from game play data.

INTERNATIONAL SEARCH REPORT

international application No.

PCT/US13/44381

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 15/18; A63F 13/85 (2014.01)

USPC - 706/62; 463/42

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)

IPC(8) Classification(s): A63F 13/00, 13/12, 9/24; G06F 15, 18 17/40, G06Q 50/10 (2014.01)

USPC Classification(s): 706/62; 463/22, 42; 434/236, 365

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

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

MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); ProQuest; IEEE; Google/Google Scholar
Keywords: Trait, Preference, Game Play, Derive, Dating, Aptitude, Education, Profile, Characteristic

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- Y	US 2007/0254270 A1 (HERSH, M.), 1 November 2007; paragraphs [0091], [0100], [0101], [0158], [0170]	1-18, 22-26, 29-52, 56-62, 81-84 ----- 19-21, 53-55, 63-69, 85-90
X ----- Y	US 2009/0093312 A1 (CARLSON, R.), 9 April 2009; figure 11, paragraphs [0097], [0115]	27-28 ----- 63, 85
Y	WO 2011/003206 A1 (RACINE, P. et al.), 13 January 2011; paragraphs [0041], [0096]	19-20, 53-54
Y	US 2011/0288666 A1 (CHENG, Y.), 24 November 2011; paragraphs [0015], [0038], [0040]	21, 55, 68, 90
Y	US 2009/0299961 A1 (LO, K.), 3 December 2009; paragraphs [0016], [0020], [0084], [0085]	64-69, 86-89

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 January 2014 (16.01.2014)

Date of mailing of the international search report

07 FEB 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Shane Thomas

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US13/44381

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Group I: Claims 1-69 and 81-90; Group II: Claims 70-80

---Please see Supplemental Page---

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-69 and 81-90

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US13/44381

-Continued from Box No. III - Observations where unity of invention is lacking-

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fee must be paid.

Group I: Claims 1-69 and 81-90 are directed toward a method comprising receiving game play data.

Group II: Claims 70-80 are directed toward a method for extracting value from game data.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical features of Group I include deriving a profile for a player which includes an assessment for one or more personality traits of the player, one or more personal preferences of the player, and/or one or more aptitudes of the player, which are not present in Group II. The special technical features of Group II include generating, based on analyzed game play data of a person, a recommendation for the person, which are not present in Group I.

The common technical feature shared by Groups I and II is receiving game play data from a person playing a game; and analyzing the game play data of the person. However, this common feature is previously disclosed by US 2012/0015741 A1 (Craine). Craine discloses receiving game play data from a person playing a game (analyzing a player's game play information; Abstract); and analyzing the game play data of the person (analyzing a player's game play information and observe user behaviors; Abstract and paragraph [0025]).

Since the common technical feature is previously disclosed by the Craine reference, this common feature is not special and so Groups I and II lack unity.