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Application Number: 19176364

Document Date: 04/11/2025

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PTO/ALIA/08 (06-12)

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	0033632-00015
		First Named Inventor	Yousuf Chowdhary
☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)		COMPLETE IF KNOWN	
		Application Number	Unassigned
		Filing Date	Herewith
		Art Unit	Unassigned
		Examiner Name	Unassigned

**SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN
GAMEPLAY**

(Title of the invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ The attached application,

OR

☐ United States Application Number or PCT International application number _____
filed on _____.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

☒ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.56 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

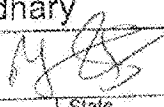
[Page 1 of 2]

This collection of information is required by 36 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	☒ The address associated with Customer Number:	☐ OR ☐ Correspondence address below
112301		
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WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: <i>Patent Application Files</i>. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: <i>Deposit Accounts and Electronic Funds Transfer Profiles</i>.		
LEGAL NAME OF SOLE OR FIRST INVENTOR:		
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)		
Yousuf Chowdhary		
Inventor's Signature	Date (Optional)	
	11th Nov 2013	
Residence: City	State	Country
Maple	Ontario	CA
Mailing Address		
191 Athabaska Drive		
City	State	Zip
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		Country
		CA
☒ Additional inventors are being named on the One supplemental sheet(s) PTO/AIA/10 attached hereto		

(Page 2 of 2)

SUPPLEMENTAL SHEET FOR DECLARATION **ADDITIONAL INVENTOR(S)**
 Supplemental Sheet (for PTO/AIA/08.09) Page **1** of **1**

Legal Name of Additional Joint Inventor, if any:
 (E.g., Given Name (first and middle (if any)) and Family Name or Surname)
 Jeffrey Brunette

Inventor's Signature *Jeff Br* Date (Optional)

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Legal Name of Additional Joint Inventor, if any:
 (E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Inventor's Signature Date (Optional)

Residence: City State Country

Mailing Address

City State Zip Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SUPPLEMENTAL SHEET FOR DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet (for PTO/AIA/08,09)

Page _____ of _____

Legal Name of Additional Joint Inventor, if any:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Oliver T. Watkins, Jr.

Inventor's /Oliver T. Watkins, Jr./
Signature

Date (Optional)

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Inventor's
Signature

Date (Optional)

Residence: City

State

Country

Mailing Address

City

State

Zip

Country

Legal Name of Additional Joint Inventor, if any:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Inventor's
Signature

Date (Optional)

Residence: City

State

Country

Mailing Address

City

State

Zip

Country

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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. 0036177-00043	
		First Named Inventor Yousuf Chowdhary	
		Title Systems and Methods for Capture and Use of Local Elements in Gameplay	
		Priority Mail Express® Label No.	

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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1. ☐ Fee Transmittal Form (PTO/SB/17 or equivalent) 2. ☒ Applicant asserts small entity status. See 37 CFR 1.27 3. ☐ Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 4. ☒ Specification [Total Pages <u>34</u>] Both the claims and abstract must start on a new page. (See MPEP § 608.01(a) for information on the preferred arrangement) 5. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets <u>4</u>] 6. Inventor's Oath or Declaration [Total Pages <u>4</u>] (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) a. ☐ Newly executed (original or copy) b. ☒ A copy from a prior application (37 CFR 1.63(d)) 7. ☒ Application Data Sheet * See note below. See 37 CFR 1.76 (PTO/AIA/14 or equivalent) 8. CD-ROM or CD-R in duplicate, large table, or Computer Program (Appendix) ☐ Landscape Table on CD 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, items a. – c. are required) a. ☐ Computer Readable Form (CRF) b. ☐ Specification Sequence Listing on: i. ☐ CD-ROM or CD-R (2 copies); or ii. ☐ Paper c. ☐ Statements verifying identity of above copies	ACCOMPANYING APPLICATION PAPERS 10. ☐ Assignment Papers (cover sheet & document(s)) Name of Assignee _____ 11. ☒ 37 CFR 3.73(c) Statement ☒ Power of Attorney (when there is an assignee) 12. ☐ English Translation Document (if applicable) 13. ☐ Information Disclosure Statement (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached 14. ☒ Preliminary Amendment 15. ☐ Return Receipt Postcard (MPEP § 503) (Should be specifically itemized) 16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed) 17. ☐ Nonpublication Request Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 18. ☐ Other: _____ _____ _____ _____
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***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
 (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS				
☒ The address associated with Customer Number: <u>112301</u> OR ☐ Correspondence address below				
Name				
Address				
City	State	Zip Code		
Country	Telephone	Email		

Signature	/Frank A. Bruno/	Date	04/11/2025
Name (Print/Type)	Frank A. Bruno	Registration No. (Attorney/Agent)	46583

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION
UNDER 37 CFR 1.102(e) (Page 1 of 1)**

First Named Inventor:	Chowdhary	Nonprovisional Application Number (if known):	
Title of Invention:	SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently \$0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.
2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.
3. The applicable box is checked below:

I. ☒ Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)

- i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.
---OR---
(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.
- ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, or the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. ☐ Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)

- i. A request for continued examination has been filed with, or prior to, this form.
- ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
- iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
- iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
- v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature <u>/Frank Bruno/</u>	Date <u>04-11-2025</u>
Name (Print/Typed) <u>Frank Bruno</u>	Practitioner Registration Number <u>46583</u>

Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required.*

☐

*Total of _____ forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
04/11/2025 11:20:30 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 69963094

AUTHORIZED BY -

CUSTOMER # 112211

FILING DATE -

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Yousuf Chowdhary

Payment Information

PAYMENT METHOD
DA / 506044

PAYMENT TRANSACTION ID
E20254AB21019882

PAYMENT AUTHORIZED BY
Frank Bruno

PRE-AUTHORIZED ACCOUNT
506044

PRE-AUTHORIZED CATEGORY
37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
4011	BASIC FILING FEE- UTILITY	70.00	1	70.00
2111	UTILITY PATENT APPL. SEARCH FEE	308.00	1	308.00
2311	EXAMINATION OF ORIGINAL PATENT APPLICATION	352.00	1	352.00
2056	FILING AN APPLICATION OR PRESENTATION OF BENEFIT CLAIM MORE THAN NINE YEARS AFTER EARLIEST BENEFIT DATE	1600.00	1	1600.00

2817	REQUEST FOR PRIORITIZED EXAMINATION	1806.00	1	1806.00
TOTAL AMOUNT:				\$4,136.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

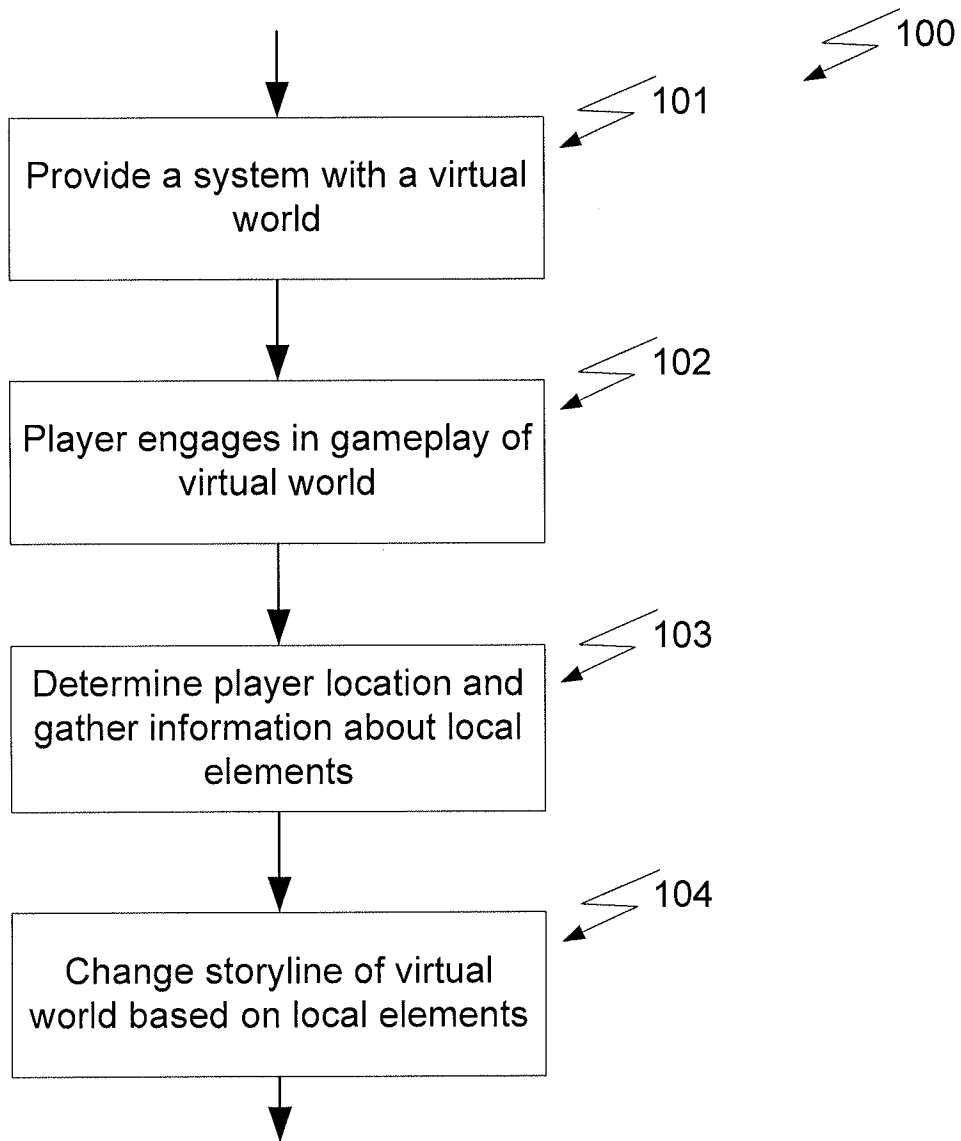


FIG. 1

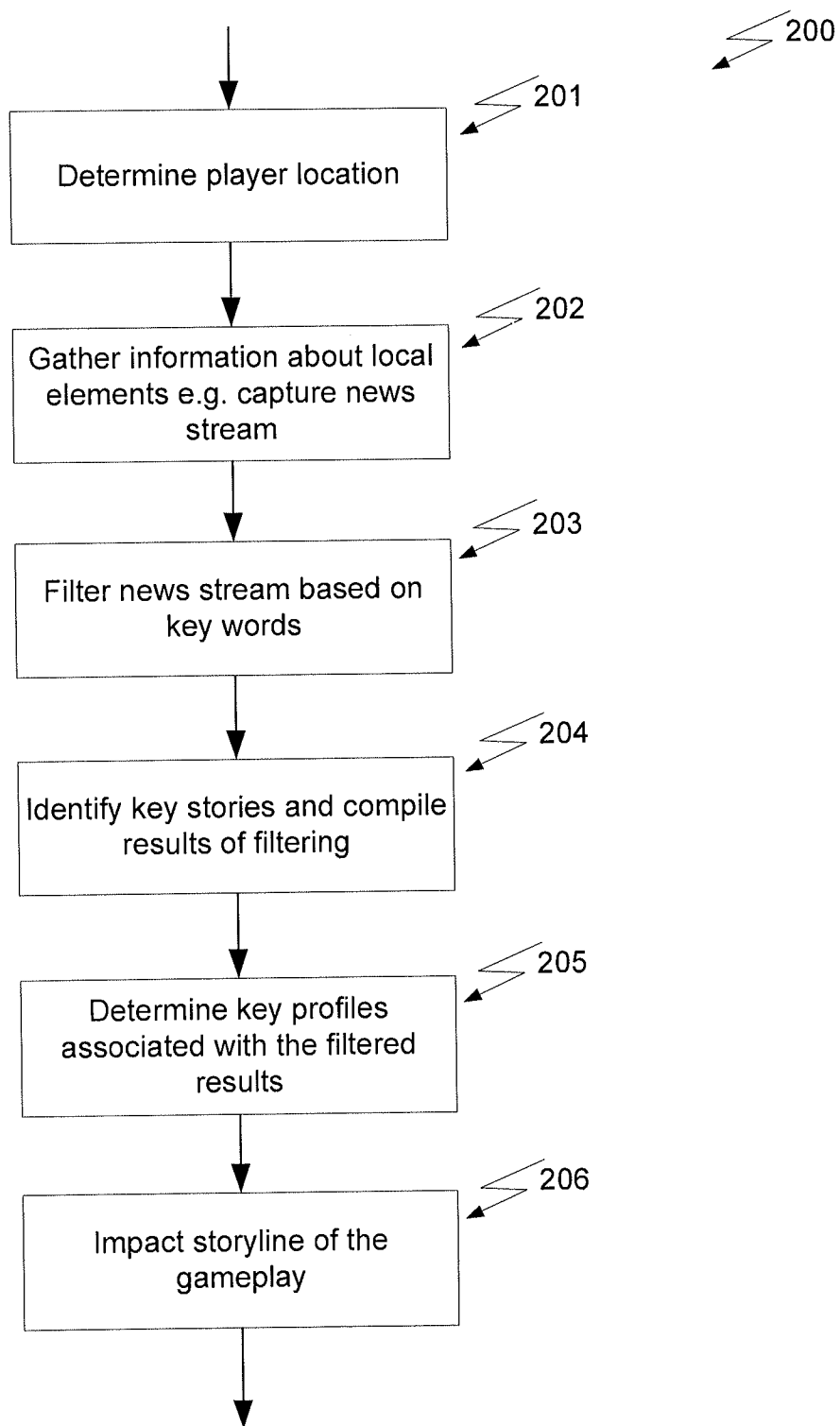


FIG. 2

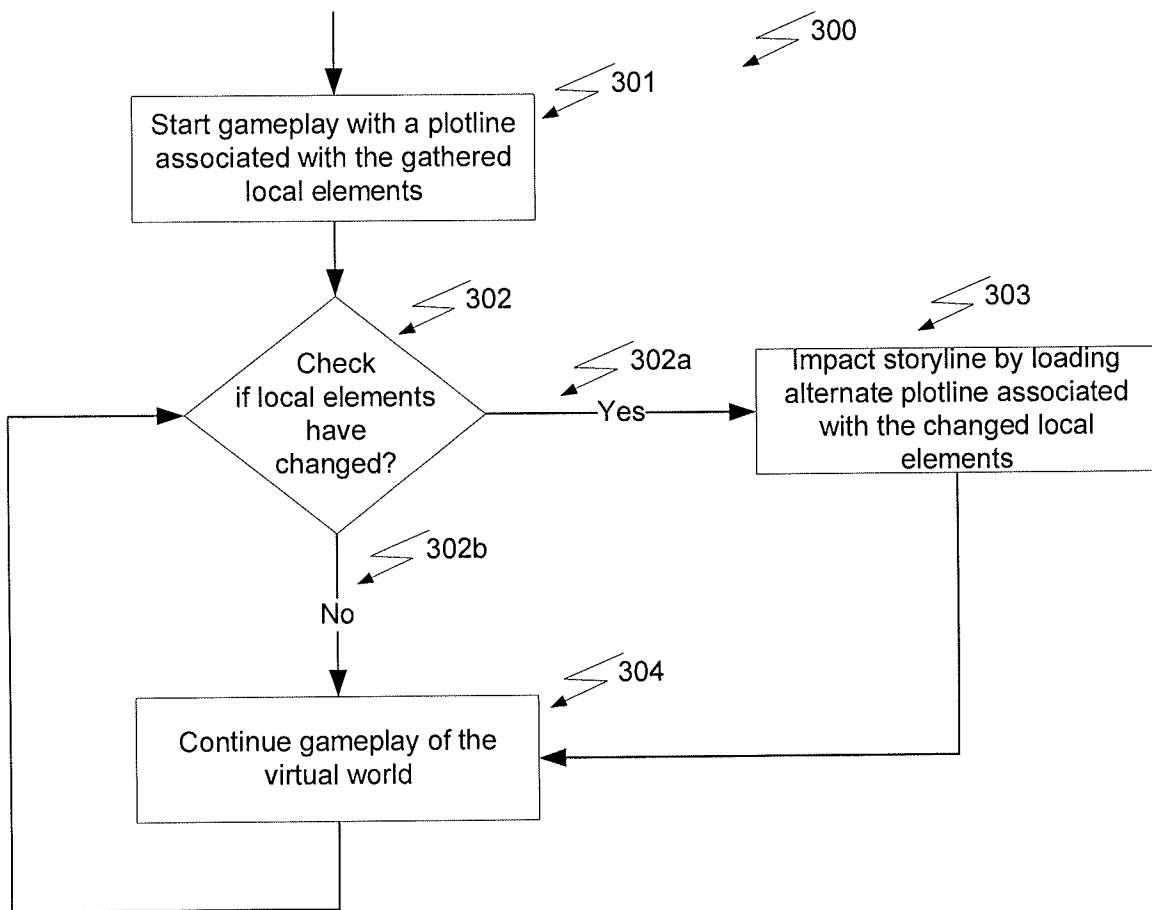


FIG. 3

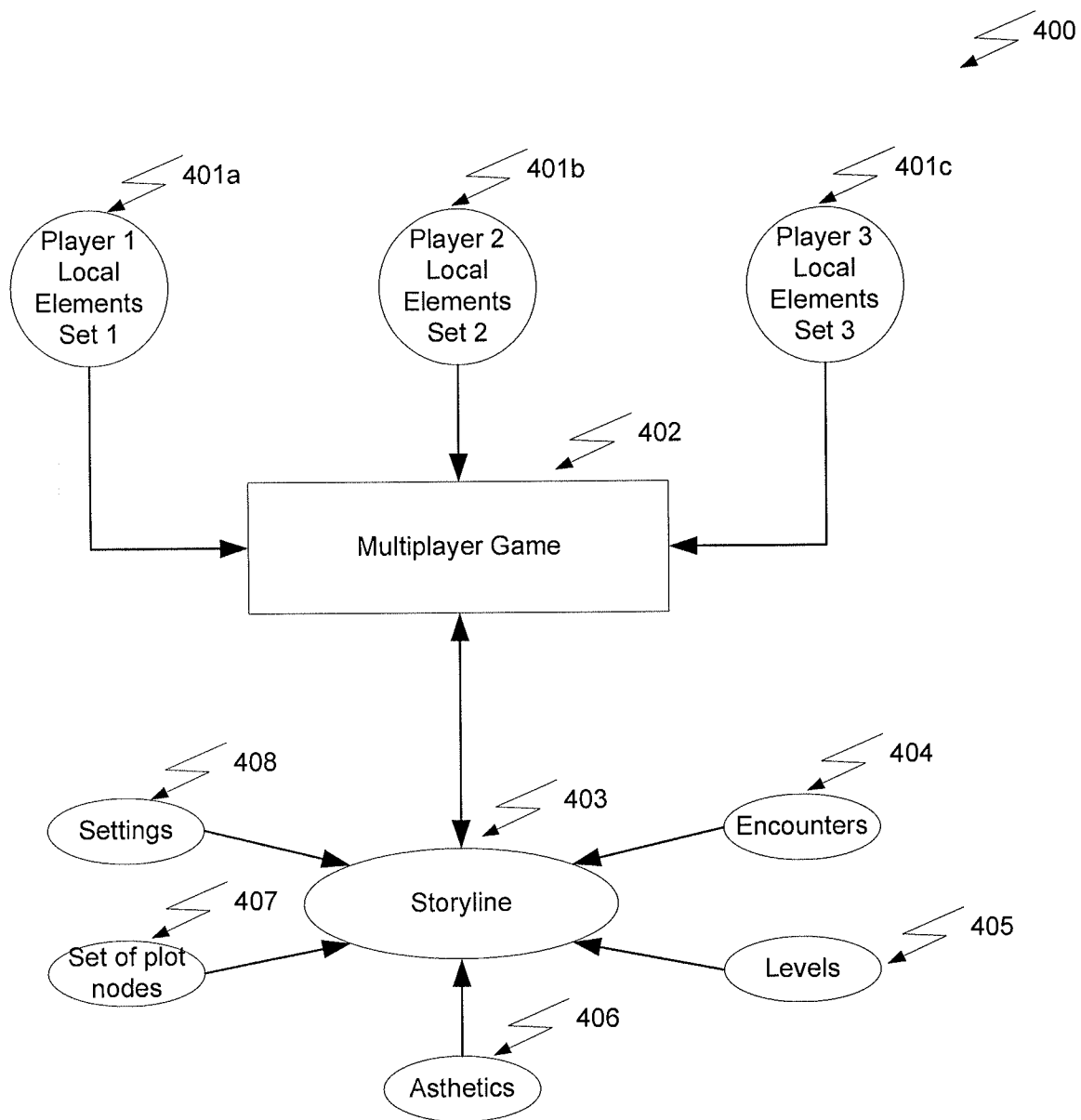


FIG. 4

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of U.S. Application No. 14/084,113, filed November 19, 2013, which claims priority to U.S. Provisional Application No. 61/796,715, filed November 19, 2012, which is incorporated herein by reference in its entirety.

FIELD OF INVENTION

[0002] The present invention is related to video game applications in general and video game applications for the capture and use of local elements to impact gameplay in particular.

BACKGROUND

[0003] A virtual world is a computer simulated environment. A virtual world may resemble the real world, with real world rules such as physical rules of gravity, geography, topography, and locomotion. A virtual world may also incorporate rules for social and economic interactions between virtual characters. Player (users) may be represented as avatars, two or three-dimensional graphical representations. Virtual worlds may be used for massively multiple online role-playing games, for social or business networking, or for participation in imaginary social universes.

[0004] Prior art virtual worlds have storylines that are either static or branch in a rather predictable fashion. Prior art methods for a branching storyline are well known in the industry, where the outcome of one encounter defines the starting point of the next. Such virtual worlds have a set number of possible branches and a player's skills, interaction with other players and non-player characters (NPCs) aids in the creation of variety and new possibilities. Mostly, the storyline is also dependent on the virtual character (Player Character) that a player chooses to engage in the gameplay of the virtual world.

[0005] These existing virtual worlds lack the ability to take the player's location and its various local elements into account for meaningful impact on gameplay. By overcoming these limitations, the present invention allows for a richer and more unique gameplay experience for each player.

SUMMARY OF THE INVENTION

[0006] A player's real world location may have a significant meaning for the player, and thus an emotional bond may already exist. By exploiting this emotional bond and making the storyline of a virtual world dependent on the local elements a more interesting and meaningful experience can be provided. Thus a player may be willing to spend more time engaging with a virtual world when the virtual world's storyline is impacted by the changing local elements. Likewise, a player may enjoy the option to choose a real world location and interact with a virtual world impacted by local elements of that chosen location.

[0007] This application describes systems and methods whereby the storyline of a virtual world may change based on the real world local elements of a particular location. Thus changes to the real world local elements may influence the gameplay of a virtual world. Local elements may include but are not limited to weather e.g. storms, hurricanes; social and political environments like political and social unrest, protest, peaceful rallies, marathon runs, local festivals, stock market ups / downs and crashes, elections whether local, state or nation level, local robberies, crime and heists, mafia and related incidents, traffic congestion, accidents, construction, construction related delays etc. derived from the location.

[0008] In one embodiment of the invention there may be virtual characters associated with each of the changing local elements. For example as a result of political and social unrest in the real world, an element of chaos may be introduced (e.g. bringing hordes of NPCs into the virtual world to reflect real life). Thus there may be predefined scripts incorporated in the virtual world,

each script may be associated with a different local element, and upon encountering such a local element the relevant script is called into play impacting the storyline of the virtual world.

[0009] In one single-player embodiment the virtual characters that are available to the player are dependent on the local elements of the location of the player. In another multi-player embodiment the location of each player then introduces virtual characters associated with the local elements of these real world locations. Thus depending on who is playing from where, the storyline keeps changing, since the combination of virtual characters changes based on the real world local elements of the location of the players.

[0010] In one embodiment of the invention, the items and loot that the players may come across, monsters and enemies that they may fight, traps and puzzles that they may have to overcome may vary based on the changing local elements of real world location(s).

[0011] The term “storyline” may include, but is not necessarily limited to, the aesthetics, virtual characters that are available, plot, set of plot nodes, scene, settings etc. and may change individually or in combination with the location of the player. Storylines can change, evolve, branch or morph based on the changes in the local elements. Alternate settings may be applied, alternate levels may be offered for gameplay based on these changes.

[0012] Using the methods and systems disclosed in this application the local elements of the real world, location(s) become a vital factor impacting the storyline of the virtual world. This provides for a richer gaming experience and increases player engagement while making the gameplay of the virtual world more unique for each player.

[0013] According to a first aspect of the invention, a computer-implemented method is provided for enabling virtual gameplay on a computing device in communication with a storage means. Access is provided to at least one video game in which a player is able to interact with the

video game according to a storyline. A player location is detected or input at the computing device and the location is stored on the storage means. A local element is retrieved from a database using the computing device based on the player location. The local element is correlated to a local element script actuatable in the video game. The computing device is used to retrieve and actuate the local element script in the video game, such that the local element script supplements or replaces the storyline.

[0014] A second or subsequent location may be detected in the course of gameplay. In this case, a second or further local element script may be retrieved that is related to the second or subsequent location and its local element.

[0015] The correlating of the local element preferably takes account of an operating context within the game. Operating context refers to internal and/or external factors impacting a particular system, device, application, business, organization etc. For example, operating context for an application is the external environment that influences its operation. For a mobile application, the operating context may be defined by the hardware and software environment in the device, the target user, and other constraints imposed by various other stakeholders. In the case of the present invention, operating context may have a bearing on, for example, the selection of the local element for the detected location (e.g. selecting a kid-appropriate local element to be introduced in a game for kids).

[0016] Preferably, the video game includes at least one virtual character. The local element script may be used to modify the virtual character's appearance, facial or body expression or health. Or it may be used to modify the tools, weapons, equipment or clothing of the virtual character. It may be used to modify character statistics of a virtual character. For example, the local element may be used to determine an overall mood or tension of a location.

In this case, the local element script may be used to modify character statistics representing mood or aggression in the virtual character.

[0017] Preferably, the storyline comprises one or a combination of plot, plot nodes, character interactions, encounters, scene, setting, aesthetics, levels, premise, or theme. The local element script may be used to specifically modify the scene or setting of the storyline. In one example, the local element script may be used to modify or introduce non-player characters, game monsters, enemies, traps or puzzles corresponding to the local element.

[0018] The local element may include one or a combination of local events, local indicators, and local celebrities or news figures.

[0019] The local element may be a local news item. The local element script may be used to modify the storyline to reflect that news item. For example, if the news item refers to a crowd of people, the local element script may introduce a crowd of non-player characters into the storyline.

[0020] The local element may be a weather, social, political, economic, stock market, demographic, traffic, crime, or construction indicator relevant to the location. The local element script may be used to modify the storyline to reflect that indicator.

[0021] The local element may be a local celebrity or news figure, in which case, the local element script may modify the storyline to introduce a non-player character representing that local celebrity or news figure.

[0022] The local element may include a keyword extracted from a news stream of local news items. This can be used, generically or specifically, to match to a profile and a specific script to modify gameplay.

[0023] The location may be re-detected at intervals, and in the event of a change in the location, a virtual character is shown moving to a new scene in the storyline.

[0024] If a null location is detected or the detected location is unsupported, a default or random storyline may be provided. Or, a player may be asked to input or select a location. An approximate match can also be used.

[0025] Preferably, the storage means is provided by one or a combination of: a local fixed memory, a local removable memory, a remote fixed memory, a remote removable memory, and a virtual memory. The storage means may be selected from the group consisting of: a local data storage of a game console, a local inbuilt memory, a user provided memory, an online server, and a shared folder on a network.

[0026] Preferably, the detecting step includes retrieving player location from a sensor. In one embodiment, the player is enabled to play the game using a game device, and the player location may be detected by an on-board sensor on the game device (e.g. a mobile device).

[0027] Preferably, the detecting step includes retrieving player location from one or a combination of GPS, A-GPS, WiFi, IP address, account or billing address, and player provided location information. The player provided location information may be a fantasy location.

[0028] The detecting step may further include retrieving at least one map from a map database in response to the detected location.

[0029] The location may be detected at login or during gameplay.

BRIEF DESCRIPTION OF THE FIGURES

[0030] Figure 1 is a flow diagram illustrating the primary steps of the method, according to a preferred embodiment.

[0031] Figure 2 is a flow diagram representing an example of filtering a news stream to impact storyline of gameplay.

[0032] Figure 3 is a flow diagram representing an example of ongoing location detection to impact storyline based on changed local elements.

[0033] Figure 4 is a conceptual diagram illustrating the interplay between multiple local elements and aspects of the storyline in a virtual world.

DETAILED DESCRIPTION

[0034] Methods and arrangements of changing storyline for gaming applications and virtual worlds based on local elements are disclosed in this application.

[0035] Before embodiments of the invention are explained in detail, it is to be understood that the invention is not limited in its application to the details of the examples set forth in the following descriptions or illustrated drawings. The invention is capable of other embodiments and of being practiced or carried out for a variety of applications and in various ways. Also, it is to be understood that the phraseology and terminology used herein is for the purpose of description and should not be regarded as limiting.

[0036] Before embodiments of the software modules or flow charts are described in detail, it should be noted that the invention is not limited to any particular software language described or implied in the figures and that a variety of alternative software languages may be used for implementation of the invention.

[0037] It should also be understood that many components and items are illustrated and described as if they were hardware elements, as is common practice within the art. However, one of ordinary skill in the art, and based on a reading of this detailed description, would understand that, in at least one embodiment, the components comprised in the method and tool are actually implemented in software.

[0038] As will be appreciated by one skilled in the art, the present invention may be embodied as a system, method or computer program product. Accordingly, the present invention may take the form of an entirely hardware embodiment, an entirely software embodiment (including firmware, resident software, micro-code, etc.) or an embodiment combining software and hardware aspects that may all generally be referred to herein as a “circuit,” “module” or “system.” Furthermore, the present invention may take the form of a computer program product embodied in any tangible medium of expression having computer usable program code embodied in the medium.

[0039] Computer program code for carrying out operations of the present invention may be written in any combination of one or more programming languages, including an object oriented programming language such as Java, Smalltalk, C++ or the like and conventional procedural programming languages, such as the “C” programming language or similar programming languages. The program code may execute entirely on the user’s computer, partly on the user’s computer, as a stand-alone software package, partly on the user’s computer and partly on a remote computer or entirely on the remote computer or server. In the latter scenario, the remote computer may be connected to the user’s computer or mobile device like a Smartphone, tablet e.g. iPad through any type of network, including a local area network (LAN) or a wide area network (WAN), or the connection may be made to an external computer (for example, through the Internet using an Internet Service Provider).

[0040] A “virtual world” as used herein need not be a “game” in the traditional sense of a competition in which a winner and/or loser is determined, but rather that the term “game” incorporates the idea of a virtual world. Moreover, a person or entity who enters the virtual world in order to conduct business, tour the virtual world, or simply interact with others or the virtual environment, with or without competing against another person or entity is still considered to be “playing a game” or engaging in the gameplay of the game.

[0041] Virtual worlds can exist on game consoles for example Microsoft Xbox, and Sony Playstation, Nintendo Wii, etc., or on online servers, or on mobile devices (e.g. an iPhone or an iPad), Smartphones, portable game consoles like the Nintendo 3DS, or on a PC (personal computer) running MS Windows, or MacOS, Android, Ubuntu, Linux or another operating system. This list is not exhaustive but is exemplary of devices or computing environments where virtual worlds can exist, many other variations are available and known to persons skilled in the art.

[0042] A computer or a game console that enables a user to engage with a virtual world, including a memory for storing a control program and data, and a processor (CPU) for executing the control program and for managing the data, which includes user data resident in the memory including a set of gameplay statistics. The computer, or a game console, may be coupled to a video display such as a television, monitor, or other type of visual display while other devices may have it incorporated in them (iPad). A game or other simulations may be stored on a storage media such as a DVD, a CD, flash memory, USB memory or other type of memory media. The storage media can be inserted to the console where it is read. The console can then read program instructions stored on the storage media and present a game interface to the user.

[0043] Typically, a user or a player manipulates a game controller to generate commands to control and interact with the virtual world. The game controller may include conventional controls, for example, control input devices such as joysticks, buttons and the like. Using the

controller a user can interact with the game, such as by using buttons, joysticks, and movements of the controller and the like. This interaction or command may be detected and captured in the game console. The user's inputs can be saved, along with the game data to record the game play. In one embodiment, the gameplay data can include usage statistics captured to record the user's experience as they progress from one level of the game to the next.

[0044] The term “player” is intended to describe any entity that accesses the virtual world, regardless of whether or not the player intends to or is capable of competing against other players. Typically, a player will register an account with the game console within a peer-to-peer game and may choose from a list or create virtual characters that can interact with other virtual characters of the virtual world.

[0045] The term “engage in gameplay” generally implies playing a game whether it is for the purpose of competing, beating, or engaging with other players. It also means to enter a virtual world in order to conduct business, tour a virtual world, or simply interact with others or a virtual environment, with or without competing against another entity.

[0046] A “virtual character” may include a persona created by a player or chosen from a list in the virtual world. Typically virtual characters are modeled after the humans whether living or fantasy (e.g. characters from mythology).

[0047] A virtual character is represented by one or more gameplay statistics, which encapsulate some meaning to connect the virtual (and digital) reality of the game to the real world. Many of these statistics are not apparent to the user as such, but are instead encoded within the framework of the game or composed together to form a script. In role-playing games (RPGs) and similar games, these statistics may be explicitly exposed to the user through a special interface, often with added meaning which provides context for the user's actions.

[0048] In virtual worlds (video / computer games) a non-player character (NPC) is a virtual character that is controlled by the program and not a player. NPC may also refer to other entities not under the direct control of players. NPC behavior in a virtual world may be scripted and automatic. The scripted and automatic behavior of NPCs may change with the changing local elements thus in turn impacting the storyline of the virtual world.

[0049] A “player character” or “playable character” (PC) is a virtual character in a virtual world that is controlled or controllable by a player. A player character is a persona of the player who controls it. In some cases a virtual world has only one player character and in other cases there may be a small number of player characters from which a player may pick a certain virtual character that may suit his or her style of gameplay, while in other scenarios there may be a large number of customizable player characters available from which a player may choose a virtual character of their liking. An avatar - may include the physical embodiment of a virtual character in the virtual world.

[0050] For the purpose of this application the term “story” may mean storyline, plot nodes, virtual character(s), set of virtual characters or character interaction, encounters, settings, aesthetics, levels, premise or theme amongst other things. The intent is to cover all such areas that may be impacted by the location of the player, and are known to persons skilled in the art. Some of these terms are explained in more detail below.

[0051] Plot

[0052] A “plot” defines the events a story comprises, particularly as they relate to one another in a pattern, a sequence, through cause and effect, or by coincidence. A well thought through plot with many different patterns of events results in a more engaging and interesting game. A plot may have a beginning, a middle, and an end, and the events of the plot may causally

relate to one another as being either dependant or probable. A plot may also refer to the storyline or the way a game progresses. Similarly a storyline may refer to a plot or a subplot of a virtual world. Thus for the purpose of this application the terms plot and storyline may be used interchangeably.

[0053] Plot Node

[0054] In a virtual world a “plot node” may be defined as a forking point in the storyline where the plot of the story can diverge based on the decisions a player makes, or the location of the player.

[0055] Plotline - Set of Plot Nodes

[0056] “Plotline” can be considered a certain sequence of interconnected plot nodes, while a set of plot nodes may or may not be interconnected. A plotline may be integral to the main storyline or may be complimentary and thus provide extra possibilities in terms of virtual character interaction and specific scenarios. Thus there may be a certain association between a certain local element and a plotline or a certain set of plot nodes. Therefore when a player from a certain location with certain local element(s) joins the gameplay, the plotline or set of plot nodes associated with this local element(s) may become incorporated into the gameplay.

[0057] Encounters

[0058] In a virtual world an “encounter” may be defined as a meeting between two or more virtual characters or may be thought of as a decision point at which a player encounters an opposing element (e.g. an enemy). An encounter may be player initiated (actively engaging in fighting an enemy) or unwanted by the player. A player may opt to avoid an encounter or may actively engage in them to move to the next level of the virtual world. The outcome of the encounters may at times define how the rest of the game progresses.

[0059] A “random encounter” is a feature commonly used in various role-playing games (RPGs) whereby an encounter with a non-player character (NPC), an enemy, a monster, or a dangerous situation occurs sporadically and at random. Random encounters are generally used to simulate the challenges associated with being in a hazardous environment, such as a monster-infested wilderness or dungeon usually with an uncertain frequency of occurrence to simulate a chaotic nature.

[0060] Premise

[0061] The “premise” of a game or concept statement is a short, direct description of the situation of a game and describes the fundamental concept that drives the plot. The premise determines the primary goals of the virtual characters of a virtual world, the opposition to these goals and typically may define the means and the path that these virtual characters may take in achieving those goals. The primary objective is usually sought by both the protagonist (hero) and the antagonist (villain) but may only be achieved by one of them.

[0062] Theme

[0063] A “theme” is the main idea, moral, or message, of a game. It is typically the common thread or oft repeated idea that is incorporated throughout a game. Examples of themes in games: espionage-themed role-playing game, martial arts—themed iPod based game, single-player horror-themed PC adventure game, fantasy-themed role-playing game, science fiction themed computer game, adult-themed video game, a horror-themed FPS (first person shooter) video game, futuristic-themed competitive fighting game, paranormal investigation -themed role-playing game etc.

[0064] Settings

[0065] “Settings” in the virtual world control multiple areas of the virtual world (game). Settings may be changed by a player or may be impacted by the local elements of the location of a player.

[0066] Levels

[0067] A “level” in the virtual world (video game) terminology refers to a discrete subdivision of the virtual world. Typically a players begins at the lowest level (level 1), and proceeds through increasingly numbered levels, usually of increasing difficulty, until they reach the top level to finish the game. In some games levels may refer to specific areas of a larger virtual world, while in other games it may refer to interconnected levels, representing different locations within the virtual world.

[0068] Statistics (Stat)

[0069] A “statistic” (stat) in role-playing games (RPG) is a datum which represents a particular aspect of a virtual character. Most virtual worlds separate statistics into several categories. The set of categories actually used in a game system, as well as the precise statistics within each category may vary greatly from one virtual world to another. Many virtual worlds also use derived statistics whose values depend on other statistics, which are known as primary or basic statistics. Derived statistics often represent a single capability of the character such as the weight a character can lift, or the speed at which they can move. Derived statistics are often used during combat, can be unitless numbers, or may use real-world units of measurement such as kilograms or meters per second.

[0070] A virtual character’s statistics affects how it behaves in a virtual world. For example, a well-built muscular virtual character may be more powerful and be able to throw certain virtual objects farther, but at the same time may lack dexterity when maneuvering intricate virtual

objects. A virtual character may have any combination of statistics, but these statistics may be limited by either a hard counter, soft counter or a combination of both.

[0071] Most devices where virtual worlds exist provide a mechanism to save the state of the game, so that the game can be played from the same point where it was left off. Methods for saving the state of the game include but are not limited to the examples cited here, for example a gaming console may provide internal memory chips, or a port where a user can connect user supplied memory; while games played over the Internet may provide online memory. The aforementioned memory space can also be used for saving the different components of the storyline that are affected by the change in the real world location of the player to enhance the gameplay experience.

[0072] Script

[0073] A “script” defines the default behavior of a virtual character. Just as with statistics, different scripts can refer to different behaviors for the same virtual character.

[0074] Figure 1 is a flow diagram illustrating the primary steps of the method, according to a preferred embodiment. A system is provided with a virtual world 101. The virtual world may be a single player game or a multiplayer game or a MMORPG (Massively Multiplayer Online Role Playing Game) and may exist on any type of a gaming device which may include but not limited to an iPhone, iPad, Smartphones, Android phones, personal computers e.g. laptops, gaming consoles like Nintendo Wii, Nintendo DS, Sony PlayStation, Microsoft Xbox 360, and online server based games etc.

[0075] The computer program comprises: a computer usable medium having computer usable program code, the computer usable program code comprises: computer usable program code for enabling change in storyline based on the real world location of a player, computer usable

program code for presenting graphically to the player the different options available to modify and personalize different aspects of the virtual world including but not limited to settings.

[0076] The player engages in gameplay of the virtual world 102. As mentioned earlier, the term “engage in gameplay” generally implies playing a game whether it is for the purpose of competing, beating, or engaging with other players. It also means to enter a virtual world in order to conduct business, tour a virtual world, or simply interact with others or a virtual environment, with or without competing against another entity.

[0077] The player location is determined and information is gathered about local elements relevant to that location 103. As technology advances, more and more miniaturized electronic components become cost effective to be mass produced and included in all sorts of devices. Today many types of mobile devices e.g. Smartphones like iPhone include a built-in GPS sensor, have data coverage via mobile cellular network or WiFi, and are widely used for engaging in the gameplay of virtual worlds. Thus determining the player location is a well known method in the art. There may be other methods, well known in the art, to determine the player location, e.g. using the Wireless Assisted GPS (A-GPS), WiFi network, using IP address, player provided information, using billing address zip/area code, etc.

[0078] Similarly digital maps have become readily available e.g. Google Maps, Microsoft Bing Maps, etc. and once the GPS co-ordinates have been received from the GPS sensor can be used for identifying the location/geographic landscape and acquiring other information e.g. demographics of the location. Similarly weather information and local news are also readily available over the Internet. These news streams may be used for gathering the local elements of a location.

[0079] In one embodiment of the invention the location of the player is the real world location where the player is engaging in the gameplay. In an alternate embodiment the player may

have defined the location e.g. a player is based in Seneca Falls, NY, but may have chosen to use the local elements of NY, NY. Or, the system may make such an approximation if there is no available local element data for Seneca Falls.

[0080] The storyline of the virtual world is then changed based on the local elements **104**. Several exemplary methods are provided in this application for illustrative purposes. The application is not limited to these examples but in fact covers all combinations, permutations, variations etc. that may be obvious to the one skilled in the art.

[0081] Figure 2 is a flow diagram representing an example of filtering a news stream to impact storyline of gameplay.

[0082] In one embodiment of the invention for a single player virtual world, there may be many variations of the virtual world such that each variation is associated with a profile, and certain real world elements that tend to occur in all places every now and then. For example severe weather, earthquakes, political, economic and social turmoil, protests, marathons, street festivals, traffic congestion, stock market rise and fall, food shortages, price hikes, each may be associated with a certain profile. There may be generic profiles that are associated with such elements in general, and there may be specific profiles that are associated with specific and unique real world local elements.

[0083] For example there may be generic profiles for severe weather, earthquakes, street festivals etc. such that when one such local element is in effect at a certain location the relevant variations of the virtual world may be applied, using a generic profile associated with such a local element.

[0084] Similarly there may be specific profiles for specific local elements for example Mardi Gras, New York Marathon, October Fest, etc. In one embodiment of the invention, when a

player's location is determined by gathering location information from say the gaming device's built-in GPS sensor, and it is determined that the player is in a certain location where a particular local (event) element is taking place (e.g. player is in New Orleans, LA, and its Mardi Gras week) the relevant variation of the virtual world may be applied, using a particular profile. Each profile is implemented using a script.

[0085] Turning to the flow diagram in Figure 2, the player location is determined **201**. As mentioned earlier there are several well understood prior art methods for determining the player location.

[0086] Information about local elements is gathered, e.g. by capturing the local news stream **202**. In a preferred embodiment of the invention, once the location of the player is determined, gathering information about local elements may involve going to local news website to obtain local information on events and happenings.

[0087] This gathered news stream can then be filtered based on key words **203**. In a preferred embodiment of the invention, the captured news stream from the determined location of the player is filtered by key words. As explained earlier, a virtual world may have a certain set of scripts associated with generic profiles and particular profiles. The list of key words may be derived from the list of profiles, since the virtual world can only apply variations to the gameplay based on the scripts that it can handle. If new scripts are added then new key words associated with these scripts/profiles may also be added to the virtual world, expanding its scope. Key words may have a wide range e.g. severe weather, storms, record rainfall, flooding, murder, theft, mugging, rape, protests, election, etc.

[0088] Key stories related to the location may then be identified based on the key word filtering and these results of the filtering can be compiled **204**. Stories can be associated with key

words. For example, as in the table below, a list of profiles may be associated with key words, and the local news feed can then be filtered to find specific incidences of those key words. The profile may be triggered if the key words show up in the news feed.

List of Profiles	Key Words	News Feed Filter
Fire in the City	FIRE, BLAZE	Warehouse blaze
Theft in the City	THEFT, ROBBERY, HEIST	
Murder in the City	MURDER, KILLING	

[0089] In this case, the news feed filter found an item that matched the key word “blaze”, so the “Fire in the City” profile would be selected to be implemented using local element scripts.

[0090] Key profiles are determined that are associated with the filtered results **205**. In one embodiment of the invention each profile may be associated with one or more scripts.

[0091] A script defines the default behavior of a virtual character. Just as with statistics, different scripts can refer to different behaviors. Using the method and system of the invention, a default script of a virtual character may define its default behavior and in order to implement an altered behavior associated with a change in the local elements of a location a certain other script may be used instead of the default script of a virtual character.

[0092] In one embodiment script(s) may be associated with certain local element(s), and these scripts may already be embedded in a virtual world (game), but are dormant and may get invoked once a local element meets the criteria to call this script. In one embodiment there may be generic scripts associated with generic local elements, e.g. stormy weather, traffic congestion,

murder, robbery, etc. Thus the appropriate script may be called into the game based on the local elements of a location. These changes in the scripts may be made periodically e.g. once a day, or may get changed with the changing local elements in real time e.g. several times a day.

[0093] In one embodiment the local elements of the player location may be used to define the Player Character(s), some or all Non-Player Characters (NPCs), and certain sets of plot nodes, levels, or encounters. Thus when a player engages in gameplay with a certain set of local elements, the Player Character (PC) may have certain characteristics that are based on these local elements. The system may also load a certain type of NPCs. The number of NPCs itself may also vary with the local elements e.g. when there is a protest in the real world location of the player, a large number of NPCs may appear in the virtual world and may engage in destructive behavior and a certain set of plot nodes associated with this situation may be loaded in the game.

[0094] In another embodiment with the change in local elements, the system of the invention may import scripts associated with this local element, so that the resulting gameplay is varied and thus more sophisticated.

[0095] In yet another embodiment the scripts associated with different profiles for the local elements may be downloaded (either automatically or upon player request) from a central server that acts as a repository for additional scripts. In another embodiment the user may have to pay when acquiring these additional scripts e.g. from a remote server.

[0096] The scripts are used to impact the storyline of the gameplay 206. In one embodiment of the invention for a single player virtual world as the local elements change so does the storyline of the virtual world.

[0097] In another embodiment of the invention, the different Player Characters, Non-Player Characters, and settings for virtual character statistics may also vary with the changing local elements. For example the personalities of virtual characters when playing the game in New Orleans during Mardi Gras week may be more playful as opposed to the same game when played in New York, NY after a string of murders so that the personalities of virtual characters may be more violent.

[0098] Such an affect can be achieved by having different stats for the PCs and NPCs, such that one set of stats is associated with a certain type of local element while another set of stats is associated with another type of local element. Thus by having different sets of stats, each associated with a certain local element, the same Player Character or NPC can exhibit a different behavior/personality.

[0099] In one embodiment, a player logs on the gaming server, a set of plot nodes associated with the local element(s) of the player location may now become available to the other players engaged in the gameplay of the virtual world. When another player logs off, the set of plot nodes associated with that particular location's local elements may now be unavailable to the players still playing the game. Thus the gameplay changes as player from diverse real world locations with varying sets of local elements engage and disengage in the gameplay of the virtual world.

[00100] In one embodiment of the invention impact to the storyline may be made by loading the script(s) associated with the identified local element(s). These scripts may be already imbedded in the game, but dormant till called. New scripts for changing local elements may be added to the game by the game developer or players to reflect new scenarios, thus expanding the scope of the game.

[00101] The occurrence and outcome of special bonus features, the amounts wagered on any bets, the outcomes for any intermediate game stages, the results of any player decisions made during the game, bonus plays and their outcomes, the final game outcomes etc. may also change based on the local elements of the location of the player.

[00102] In one embodiment of the invention extra points and lives are either granted or deducted when certain local elements change and warrant a change in the virtual world. For example the real world stock market of the location where the player is located has gone up, thus the player may be given extra lives. While a loss in the stock market may be reflected with the deduction of points and lives. Similarly if the interest rates on loans go up in the real world, the assets of the virtual characters may get devalued in the virtual world.

[00103] Figure 3 is a flow diagram representing an example of ongoing location detection to impact storyline based on changed local elements. As shown, gameplay starts with a plotline associated with the gathered local elements **301**.

[00104] The system checks whether the local elements have changed **302**. In order to determine the changes in local elements the original profiles and associated key words may be stored in a file or a database, and the new ones compared with the ones already stored. In a preferred embodiment, this comparison may be done on an as needed basis, preferably on a periodic basis, such that the frequency may be selectable by the player or the game developer. In another embodiment this comparison is done in real time, i.e. news stream is filtered in real time and all changes to local elements applied thereafter.

[00105] If Yes **302a** (i.e. the local elements have changed), then the system impacts the storyline by loading an alternate plotline associated with the changed local elements **303**.

[00106] If No, **302b** (i.e. there is no change to the local elements), then the system continues the gameplay of the virtual world unchanged **304**.

[00107] Figure 4 is a conceptual diagram illustrating the interplay between multiple local elements and aspects of the storyline in a virtual world. Figure 4 shows a sample multiplayer virtual world (game) **402** with Player1, located at real world location Location1, and having an associated set of local elements Set1 **401a**. Player2 is located at real world location Location2 and has associated set of local elements Set2 **401b**. Player3 is located at real world location Location3 and has associated set of local elements Set3 **401c**. These three players are engaged in the gameplay of the virtual world, in this case, a multiplayer game **402**.

[00108] The storyline **403** of the multiplayer virtual world **402** may be composed of encounters **404**, levels, **405**, aesthetics **406**, set of plot nodes **407** or settings **408** amongst other items described earlier in this application.

[00109] The storyline **403** may be impacted / changed by a change in any one of the encounters **404**, levels, **405**, aesthetics **406**, set of plot nodes **407** and / or settings **408** based on the real world locations of the players engaged in the gameplay. The storyline **403** then in turn impacts the gameplay of the virtual world **402**.

[00110] The storyline may be changed by changing the plot nodes or set of plot nodes, virtual character (both player characters and non-player characters), set of virtual characters or virtual character interaction, settings, aesthetics, levels, premise or theme, encounters, levels etc. Thus a change in the local elements of the player location may impact any one of the earlier mentioned variables. The application is not limited to the cited examples, but the intent is to cover all such areas that may be used in a virtual world to impact the storyline of a virtual world.

[00111] Several exemplary embodiments / implementations of the invention are given below. There may be other methods obvious to the ones skilled in the art, and the intent is to cover all such scenarios.

[00112] In one embodiment of the invention the encounters and their outcomes may change when certain local elements are found present. Elements of an encounter, such as opponent appearance or fighting style may tailor themselves to fit the changing local elements. For example on a hot muggy day the player's virtual character may need to shed his heavy clothing while on a cold snowy night the player's virtual character may need extra layers of clothing and may lose health points when sufficient clothing is not available; thus perhaps forcing virtual characters to steal clothing items from NPCs.

[00113] In some embodiments of the invention there may be long term changes in response to the change in local elements. For example in a certain city a local mayoral election is held and a new mayor is elected while at the same time new logging licenses are issued to the forestry industry. This may be reflected in the virtual world by the introduction of a very powerful villain who may not be defeated till the mayor is in office as an elected representative and the forests in the virtual world may be similarly reduced by simulating logging by NPCs.

[00114] In other embodiments of the invention there may be short term local elements like weather that may impact the gameplay such that the local weather conditions may be used to create the ambiance in the virtual world. Thus if it sunny and hot outside in the real world where the player is located, the same may be reflected in the virtual world, and the virtual characters may have to shed some layers of clothing to stay comfortable. Similarly, if it is raining in the location where the player is based, the virtual world may simulate a storm to emulate the real world. Thus the real weather may impact the storyline by either creating a similar or opposite

weather in the virtual world. In another embodiment of the invention the weather forecast model may be used for changes to gameplay.

[00115] Let's take into consideration a more detailed example, one that is based on a weather related event that devastated many cities in North America, Hurricane Sandy in late October 2012. As the hurricane moved from one city to the other the locations in its path encountered varying degrees of damage and destruction and thus spawned some very local events (elements). In New York, NY there was wide spread flooding including flooding of major tunnels, deaths due to fire and flooding, stock markets were closed for a record time, subway closures, fires, evacuations, food and gas shortages, lack of public transport and resultant loss of work days. While in Toronto Canada, the same weather system had a lesser degree of effect but nevertheless brought strong winds, flying/falling debris, injuries and death due to the falling neon signs, uprooting of trees etc.

[00116] Thus two players playing the same game at the same time in the two above mentioned cities may experience two varying (albeit related) storylines. Therefore when playing a virtual world (game) one where this invention is implemented, a player in New York, NY may experience the ambiance of the game change to dark and stormy skies, rain and flooding which make certain bridges impassable in the game, a certain change in the behaviour of the virtual characters where they are suddenly more afraid, bunches of NPCs running randomly in confusion and panic, while the number of points required to acquire items may go up significantly for the duration of such an event etc.

[00117] While a player in Toronto, Canada playing the same game at the exact same time may experience stiff winds and fallen trees which may make getting from one point to another more difficult, flying and falling debris which has to be dodged in order to prevent injury and loss of health points etc.

[00118] In one embodiment of the invention relating to a MMORPG (Massively Multiplayer Online Role Playing Game) the local elements of the respective locations of the players engaged in the gameplay at any given time impacts the storyline. Thus for example certain branches of the storyline and / or set(s) of plot nodes may become available when players from a certain location are either logged in or logged off.

[00119] When a new player engages in gameplay of the MMORPG, gather player location information e.g. using the embedded GPS sensor of a gaming device, then gather the local elements associated with this location. There may be other methods for determining player location, e.g. using IP address, WiFi network location, AGPS and other well known techniques in the art.

[00120] The system checks to see if the local elements of above said player location are unique, i.e. if any other player from the same location is also engaged in the gameplay of the virtual world at the same time or another player from another location with similar local elements is engaged in the gameplay. If player location and its local elements are unique then the system may load alternate / complementary set of storyline plot nodes associated with these new local elements. Gameplay continues using the new information. If player location and its local elements are not unique then gameplay continues with no changes.

[00121] In an alternate embodiment a certain set of storyline plot nodes become unavailable when a player from a location with certain local elements engages in the gameplay of the virtual world.

[00122] In multiplayer virtual worlds as new players engage in the gameplay and as other disengage, the respective local elements of their respective locations may have a cumulative effect in changing the storyline of the virtual world.

[00123] In an alternate embodiment a certain set of storyline plot nodes may become available when a player from a certain location with certain local elements disengages in the gameplay of a virtual world.

[00124] In another embodiment the storyline of the virtual world may change with the change of local elements, such that the virtual character can skip levels, or move from one level to the other randomly, or the game may lock out odd or even number levels (or other combinations of levels) to change the storyline.

[00125] In yet another embodiment the aesthetics of the virtual world may change with the changing local elements of the real world location of the player. For example the background of a platform game may change depending on the location (city) of the player and its current local elements (e.g. stormy weather or clear blue skies).

[00126] In another embodiment the virtual character interaction may change with the changing local elements of the player location. For example when all is quiet in the city where the player is located (i.e. no local elements match the key words) the virtual character interaction is more subdued. By contrast, when the same city encounters a string of murders, the virtual character interaction may become more aggressive, and the associated dialogue may also change correspondingly. Such an embodiment can be implemented by having different scripts for the virtual characters, and changing the scripts with the changing local elements of the real world location of the player.

[00127] In one embodiment the theme of the game may change with the changing local elements. For example, the original theme may be an espionage theme. After news of a local murder, the theme of the game may change to a murder mystery (to solve the local case), or a horror theme.

[00128] In another embodiment the premise of the game may change with the changing local elements of a location. For example, the original premise may be a treasure hunt. After a kidnapping news item, the premise may change to a quest to find the victim of the kidnapping.

[00129] In another embodiment the storyline of the virtual world may have multiple forks with multiple possibilities, and each time the local elements of the player location change, a new path(s) may be chosen either randomly or based on a dice roll or based on a pre-configured setting or based on a player defined setting.

[00130] In another embodiment of the invention, the statistics of the player character (PC) and the non-player characters (NPC) may depend on the local elements of the player location and may change when these local elements changes.

[00131] For example, in one embodiment when a player engages in gameplay of a particular virtual world from a first location the stats for a PC are such that the virtual character is physically very strong but is less intelligent, while when the same player engages in the gameplay of the same virtual world from a second location, the stats for the same PC are such that the virtual character is now more intelligent but less strong physically. The change in virtual character statistics may either depend on predefined relationships or may depend on a dice roll or may be entirely random.

[00132] One embodiment of the invention may preferably also provide a framework or an API (Application Programming Interface) for virtual world creation that allows a developer to incorporate the functionality of a changing storyline based on the changing local elements of the player location. Using such a framework or API allows for a more uniform virtual world generation, and eventually allows for more complex and extensive ability to change storyline.

[00133] It should be understood that although the term game has been used as an example in this application but in essence the term may also imply any other piece of software code where the embodiments of the invention are incorporated. The software application can be implemented in a standalone configuration or in combination with other software programs and is not limited to any particular operating system or programming paradigm described here. For the sake of simplicity, we singled out game applications for our examples. Similarly we described users of these applications as players. There is no intent to limit the disclosure to game applications or player applications. The terms players and users are considered synonymous and imply the same meaning. Likewise, virtual worlds, games and applications imply the same meaning. Thus, this application intends to cover all applications and user interactions described above and ones obvious to persons skilled in the art.

[00134] Although virtual world storyline changes based on changing local elements of the player location have been exemplified above with reference to gaming, it should be noted that virtual worlds are also associated with many industries and applications. For example, virtual worlds can be used in movies, cartoons, computer simulations, and video simulations, among others. All of these industries and applications would benefit from a changing storyline based on changing local elements of the player location.

[00135] The examples noted here are for illustrative purposes only and may be extended to other implementation embodiments. While several embodiments are described, there is no intent to limit the disclosure to the embodiment(s) disclosed herein. On the contrary, the intent is to cover all alternatives, modifications, and equivalents obvious to persons skilled in the art.

CLAIMS

What is claimed is:

1. A computer-implemented method of enabling virtual gameplay on a computing device in communication with a storage means, the method comprising the steps of:

providing access to at least one video game in which a player is able to interact with the video game according to a storyline;

detecting at the computing device a player location, and storing the location on the storage means;

retrieving from a database using the computing device a local element based on the player location and correlating the local element to a local element script actuatable in the video game; and

using the computing device to retrieve and actuate the local element script in the video game, the local element script supplementing or replacing the storyline.

2. The method of claim 1, further comprising detecting a second or subsequent location in the course of gameplay, and retrieving a second or further local element script, the second or further local element script being related to the second or subsequent location and its local element.

3. The method of claim 1, wherein the correlating of the local element takes account of an operating context within the game.

4. The method of claim 1, wherein the video game includes at least one virtual character, and the local element script modifies the virtual character's appearance, facial or body expression or health.

5. The method of claim 1, wherein the video game includes at least one virtual character, and the local element script modifies the tools, weapons, equipment or clothing of the virtual character.
6. The method of claim 1, wherein the local element script modifies character statistics of a virtual character.
7. The method of claim 6, wherein the local element is used to determine overall mood or tension of a location, and the local element script modifies character statistics representing mood or aggression in the virtual character.
8. The method of claim 1, wherein the storyline comprises one or a combination of plot, plot nodes, character interactions, encounters, scene, setting, aesthetics, levels, premise, or theme.
9. The method of claim 8, wherein the local element script modifies the scene or setting of the storyline.
10. The method of claim 1, wherein the local element script modifies or introduces non-player characters, game monsters, enemies, traps or puzzles corresponding to the local element.
11. The method of claim 1, wherein the local element comprises one or a combination of local events, local indicators, and local celebrities or news figures.
12. The method of claim 1, wherein the local element is a local news item and the local element script modifies the storyline to reflect that news item.
13. The method of claim 12, wherein, if the news item refers to a crowd of people, the local element script introduces a crowd of non-player characters into the storyline.

14. The method of claim 1, wherein the local element is a weather, social, political, economic, stock market, demographic, traffic, crime, or construction indicator relevant to the location, and the local element script modifies the storyline to reflect that indicator.
15. The method of claim 1, wherein the local element is a local celebrity or news figure, and the local element script modifies the storyline to introduce a non-player character representing that local celebrity or news figure.
16. The method of claim 12, wherein the local element comprises a keyword extracted from a news stream of local news items.
17. The method of claim 1, wherein the location is re-detected at intervals, and in the event of a change in the location, a virtual character is shown moving to a new scene in the storyline.
18. The method of claim 1, wherein if a null location is detected or the detected location is unsupported, a default or random storyline is provided.
19. The method of claim 1, wherein if the location does not match a local element in the database, an approximate match is used.
20. The method of claim 1, wherein the storage means is provided by one or a combination of: a local fixed memory, a local removable memory, a remote fixed memory, a remote removable memory, and a virtual memory.
21. The method of claim 1, wherein the storage means is selected from the group consisting of: a local data storage of a game console, a local inbuilt memory, a user provided memory, an online server, and a shared folder on a network.
22. The method of claim 1, wherein the detecting step includes retrieving player location from a sensor.

23. The method of claim 1, wherein the player is enabled to play the game using a game device, and the player location is detected by an on-board sensor on the game device.
24. The method of claim 23, wherein the game device is a mobile device.
25. The method of claim 1, wherein the detecting step includes retrieving player location from one or a combination of GPS, A-GPS, WiFi, IP address, account or billing address, and player provided location information.
26. The method of claim 25, wherein the player provided location information is a fantasy location.
27. The method of claim 1, wherein the detecting step further includes retrieving at least one map from a map database in response to the detected location.
28. The method of claim 1, wherein the location is detected at login.
29. The method of claim 1, wherein the location is detected during gameplay.

ABSTRACT

A computer-implemented method is provided for enabling virtual gameplay. Access is provided to at least one video game in which a player is able to interact with the video game according to a storyline. A player location is detected and stored. A local element is retrieved from a database based on the player location and the local element is correlated to a local element script actuatable in the video game. This local element script is retrieved and actuated in the video game to supplement or replace the video game's storyline.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ImagineAR, Inc.	Examiner: TBD
US Appln. No.: TBD	Group Art Unit: TBD
Filed: TBD	Confirmation No.: TBD
Title: SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY	Attorney Docket No.: 0036177-00043

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

PRELIMINARY AMENDMENT

Dear Sir/Madam:

Dear Sir/Madam:

Please amend the above-identified patent application as follows:

Amendment to the Specification begins on page 2 of this paper.

Amendments to the Claims begins on page 3 of this paper.

Remarks/Arguments begins on page 6 of this paper.

AMENDMENT TO THE SPECIFICATION

Please replace paragraph [0001] as follows:

[0001] This application is a continuation of U.S. Patent Application Serial No. 18/813,579 filed August 23, 2024, now U.S. Patent No. _____, which is a continuation of U.S. Patent Application Serial No. 18/205,206 filed June 2, 2023, now U.S. Patent No. 12,070,691, which is a continuation of U.S. Patent Application Serial No. 17/952,026 filed September 23, 2022, now U.S. Patent No. 11,666,827, which is a continuation of U.S. Patent Application Serial No. 17/172,623 filed February 10, 2021, now U.S. Patent No. 11,484,797, which is a continuation of U.S. Patent Application No. 15/215,406 filed July 20, 2016, now U.S. Patent No. 10,946,284, which is a continuation of U.S. Patent Application Serial No. 14/084,113, filed November 19, 2013, now abandoned, which claims the benefit of U.S. Provisional Patent Application Serial No. 61/796,715, filed November 19, 2012, the contents of which applications are hereby incorporated by reference in their entirety.

AMENDMENTS TO THE CLAIMS

What is claimed is:

Claims 1-29 (Previously Canceled).

30. (New) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay; and

using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a type of non-player characters that will appear during the virtual gameplay.

31. (New) The method of claim 30, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to call a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the type of non-player characters that will appear during the virtual gameplay.

32. (New) The method of claim 30, wherein the first weather condition is obtained from a news feed.

33. (New) The method of claim 30, wherein the first weather condition is retrieved from a website.

34. (New) The method of claim 30, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.

35. (New) The method of claim 30, wherein a device identifier for the computing device is used to determine the real world player geographic location.

36. (New) The method of claim 30, wherein the real world player geographic location is a billing address linked to the computing device.

37. (New) The method of claim 30, wherein the real world player geographic location is determined during a login process.

38. (New) The method of claim 30, wherein the real world player geographic location is periodically determined during gameplay.

39. (New) The method of claim 30, further comprising causing the first weather condition to be shown during virtual gameplay.

40. (New) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

- determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay;

- using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a virtual character statistic of a non-player character that will appear during the virtual gameplay.

41. (New) The method of claim 40, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to retrieve from a database coupled to the computing device a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the virtual character statistic of the non-player character that will appear during the virtual gameplay.

42. (New) The method of claim 40, wherein the first weather condition is obtained from a news feed.

43. (New) The method of claim 40, wherein the first weather condition is retrieved from a website.
44. (New) The method of claim 40, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.
45. (New) The method of claim 40, wherein a device identifier for the computing device is used to determine the real world player geographic location.
46. (New) The method of claim 40, wherein the real world player geographic location is a billing address linked to the computing device.
47. (New) The method of claim 40, wherein the real world player geographic location is determined during a login process.
48. (New) The method of claim 40, wherein the real world player geographic location is periodically determined during gameplay.
49. (New) The method of claim 40, further comprising causing the first weather condition to be shown during virtual gameplay.

REMARKS

I. Status of Claims

Claims 1-29 are hereby canceled without prejudice or disclaimer.

Claims 30-49 are hereby added.

Claims 30-49 are hereby presented for examination.

II. Correspondence and Fees

Entry of this Preliminary Amendment is respectfully requested. No new matter is presented. Any fees are to be charged to Deposit Account No. 506044. Authorization is hereby given to charge Deposit Account No. 506044 for any future underpayment, or to credit any overpayments.

Please address all correspondence to the correspondent address for Customer No. 112301 to Practice Group Administrator, White and Williams, LLP, 1650 Market Street, One Liberty Place, Suite 1800, Philadelphia, PA 19103. Telephone calls should be made to Frank A. Bruno at (215) 864-6225.

Dated: April 11, 2025

Respectfully Submitted,

By: /Frank A. Bruno/
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:



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112301

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

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As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

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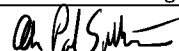
Assignee name and address: ImagineAR, Inc.
707 W. 38th St., Suite 230
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A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature



Date

Name **Alen Paul Silverstien**

Telephone

216-293-0819

Title **CEO and President**

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The information provided by you in this form will be subject to the following routine uses:

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Application Data Sheet 37 CFR 1.76

The Application Data Sheet is part of the provisional or non-provisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.

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Application Information

Customer number **112211 -**

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Title of invention **SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY**

Attorney docket number **0036177-00043**

Entity status Small

Application type Nonprovisional Application under 35 USC 111(a)

Subject matter Utility

Total number of drawing sheets ---

Suggested figure for publication ---

Filing by reference No

Publication request Normal eighteen-month publication

Representative Information

of representatives: 1

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).

Customer number 112211

Domestic Benefit/National Stage Information

of benefit claims: 6

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 386(c), or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior application status Patented
Application number 18813579
Continuity type Continuation of
Prior application number 18205206
Prior application filing date 06/02/2023
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Issue date 08/27/2024

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Continuity type Continuation of

Prior application number	17952026
Prior application filing date	09/23/2022
Patent number	11666827
Issue date	06/06/2023

Prior application status	Patented
Application number	17952026
Continuity type	Continuation of
Prior application number	17172623
Prior application filing date	02/10/2021
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Issue date	11/01/2022

Prior application status	Patented
Application number	17172623
Continuity type	Continuation of
Prior application number	15215406
Prior application filing date	07/20/2016
Patent number	10946284
Issue date	03/16/2021

Prior application status	Abandoned
Application number	15215406
Continuity type	Continuation of
Prior application number	14084113
Prior application filing date	11/19/2013

Prior application status	Pending
Application number	14084113
Continuity type	Claims benefit of provisional
Prior application number	61796715
Prior application filing date	11/19/2012

Foreign Priority Information

of foreign priority claims: 0

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the Application Data Sheet constitutes the claim for priority as required by 35 U.S.C. 119 (b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).



Data was not provided for this section.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

Checking this box will cause the application to be examined under the first inventor to file provisions of the AIA.



This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 2016, 2013, will be examined under the first inventor to file provisions of the AIA.

Authorization or Opt-Out of Authorization to Permit Access

When this Application Data Sheet is properly signed and filled with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE:

This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A.

Priority Document Exchange (PDX)

Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the China National Intellectual Property Administration (CNIPA), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h) (1).

Search Results from U.S. Application to EPO

Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

B.

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐

A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐

B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with the search results from the instant application.

NOTE:

Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Applicant Information

of applicants: 1

The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46.

1. **ImagineAR, Inc.**
250 Pender St.
Vancouver, BC V6C 2T7
CANADA

Applicant Organization
Applicant type Assignee

Phone: ---
Fax: ---
Email: ---

Assignee Information including Non-Applicant Assignee Information

of assignees: 0

An assignee-applicant identified in the "Applicant" section will appear on the patent application as an applicant.

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

 Data was not provided for this section.

Signature

NOTE:

This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c)**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See CFR 1.4(d) for the manner of making signatures and certifications.

Signature	First name	Last name	Registration #	Date
/Frank Bruno/	Frank	Bruno	46583	04/11/2025



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
04/11/2025 11:20:30 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 69963094

FILING DATE -

CUSTOMER # 112211

FIRST NAMED INVENTOR Yousuf Chowdhary

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 11

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
generatedADS69963094.pdf	7	Application Data Sheet	149 KB
41_FIGS.pdf	4	Drawings-only black and white line drawings	53 KB
41_SPEC-APP.TEXT.docx	34	Application body structured text document	40 KB
41DEC.pdf	4	Oath or Declaration filed	3059 KB
00043_aia0424_Track1.pdf	2	Track One Request	139 KB
43_COVER.pdf	1	Transmittal of New Application	221 KB
Power_of_Attorney.pdf	2	Power of Attorney	113 KB
00043_CON_Prelim_Amend.pdf	6	-	114 KB

00043_CON_Prelim_Amend-A.PE.pdf	(1-1)	1	Preliminary Amendment	103 KB
00043_CON_Prelim_Amend-SPEC.pdf	(2-2)	1	Specification	103 KB
00043_CON_Prelim_Amend-CLM.pdf	(3-5)	3	Claims	107 KB
00043_CON_Prelim_Amend-REM.pdf	(6-6)	1	Applicant Arguments/Remarks Made in an Amendment	103 KB

Digest

DOCUMENT

MESSAGE DIGEST(SHA-512)

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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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Corrected Application Data Sheet

19176364 : SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

~~Strike through~~ indicates removal of data from existing record Underline indicates new data being added to the application If no data is shown, no data has been corrected

Inventor Information

Data of record

Updated Data



No data change in this section

Application Information

Title of Invention SYSTEMS AND METHODS FOR
CAPTURE AND USE OF LOCAL
ELEMENTS IN GAMEPLAY

Attorney Docket
Number 0036177-00043

Entity Status Regular Undiscounted

Domestic Benefit/National Stage Information

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 386(c), or indicate

National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Data of record**Updated Data**

Prior application status	PATENTED
Application number	19176364
Continuity type	Continuation of
Prior application number	18205206
Prior application filing date	06/2/2023
Patent number	12070691
Issue date	08/27/2024

Prior application status	PATENTED
Application number	18205206
Continuity type	Continuation of
Prior application number	17952026
Prior application filing date	09/23/2022
Patent number	11666827
Issue date	06/6/2023

Prior application status	PATENTED
Application number	17952026
Continuity type	Continuation of
Prior application number	17172623
Prior application filing date	02/10/2021
Patent number	11484797
Issue date	11/1/2022

Prior application status	PATENTED
Application number	17172623
Continuity type	Continuation of
Prior application number	15215406
Prior application filing date	07/20/2016
Patent number	10946284
Issue date	03/16/2021

Prior application status	ABANDONED
Application number	15215406
Continuity type	Continuation of
Prior application number	14084113
Prior application filing date	11/19/2013

Prior application status	PENDING
Application number	14084113
Continuity type	Claims benefit of provisional
Prior application number	61796715
Prior application filing date	11/19/2012

Prior application status	<u>PENDING</u>
Application number	<u>19176364</u>
Continuity type	<u>Continuation of</u>
Prior application number	<u>18813579</u>
Prior application filing date	<u>08/23/2024</u>

Foreign Priority Information

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the Application Data Sheet constitutes the claim for priority as required by 35 U.S.C. 119 (b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Data of record

Updated Data



No data change in this section

Applicant Information

The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46.

Data of record

Updated Data



No data change in this section

Assignee Information including Non-Applicant Assignee Information

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Data of record

Updated Data



No data change in this section

Signature

NOTE:

This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See CFR 1.4(d) for the manner of making signatures and certifications.

Signature	First name	Last name	Registration #	Date
/Frank Bruno/	Frank	Bruno	46583	04/14/2025



UNITED STATES
PATENT AND TRADEMARK OFFICE

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Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
04/14/2025 10:17:59 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	69987571	FILING DATE	-
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
CorrectedADS.pdf	5	Application Data Sheet to update/correct info	97 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
CorrectedADS.pdf	D3B17B68ABAE0B6017A35D87C9AA62CC0D4ABAA8A31A52E 78DA047DA3CA7ECF316CB03809576382C4D5C895F771527D9 64653142339CDC9DB567899B7A8BEDBB

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Elizabeth Hailu

Sale Accounting Date:04/17/2025

Sale Item Reference Number
19176364

Effective Date
04/11/2025

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I20254GC15479504	2054	Non-DOCX Filing Surcharge	\$172.00	Deposit Account
I20254GC15479504	2830	PROCESSING FEE, EXCEPT PROV. APPLS.	\$60.00	Deposit Account



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
19/176,364	04/11/2025		902	0036177-00043	20	2

CONFIRMATION NO. 4736

112211

White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

FILING RECEIPT



0000000087450125

Date Mailed: 04/18/2025

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Yousuf Chowdhary, Maple, CANADA;
Jeffrey Brunette, Aurora, CANADA;
Ravinder ("Ray") Sharma, Toronto, CANADA;
Oliver T. Watkins, JR., San Francisco, CA;

Applicant(s)

ImagineAR, Inc., Vancouver, CANADA;

Power of Attorney: The patent practitioners associated with Customer Number 112301

Domestic Applications for which benefit is claimed

This application is a CON of 18/205,206 06/02/2023 PAT 12,070,691
which is a CON of 17/952,026 09/23/2022 PAT 11,666,827
which is a CON of 17/172,623 02/10/2021 PAT 11,484,797
which is a CON of 15/215,406 07/20/2016 PAT 10,946,284
which is a CON of 14/084,113 11/19/2013 ABN
which claims benefit of 61/796,715 11/19/2012
This application is a CON of 18/813,579 08/23/2024

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - **None.**
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 04/17/2025

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 19/176,364**

Projected Publication Date: 07/24/2025

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Preliminary Class

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: Yes

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
19/176,364

APPLICATION AS FILED - PART I

(Column 1)		(Column 2)		SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)			RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70			N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	308			N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	352			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *	0	x = 0		OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2	minus 3 = *		x = 0				
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0				
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0				
			TOTAL	730			TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)				RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =			OR	x =		
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =			OR	x =		
	Application Size Fee (37 CFR 1.16(s))											
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))												
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			

		(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)				RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x =			OR	x =		
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x =			OR	x =		
	Application Size Fee (37 CFR 1.16(s))											
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))												
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.

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*Congratulations on taking the first step to protect your invention. You can now advertise or mark any products covered by this application for your invention as **"Patent Pending"** for as long as this application is pending!*

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We also provide Pro Se Assistance, support specifically geared for independent inventors without an attorney or agent. Follow the link below, call us at 866-767-3848, or email proseassistancecenter@uspto.gov.

- www.uspto.gov/ProSePatents

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Corrected Application Data Sheet

19176364 : SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

~~Strike through~~ indicates removal of data from existing record Underline indicates new data being added to the application If no data is shown, no data has been corrected

Inventor Information

Data of record

Updated Data



No data change in this section

Application Information

Title of Invention SYSTEMS AND METHODS FOR
CAPTURE AND USE OF LOCAL
ELEMENTS IN GAMEPLAY

Attorney Docket
Number 0036177-00043

Entity Status Small

Domestic Benefit/National Stage Information

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 386(c), or indicate

National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Data of record**Updated Data**

Prior application status	~~PATENTED~~	Prior application status	<u>PENDING</u>
Application number	19176364		
Continuity type	Continuation of		
Prior application number	~~18205206~~	Prior application number	<u>18813579</u>
Prior application filing date	~~06/2/2023~~	Prior application filing date	<u>08/23/2024</u>
	~~12070691~~		<u>null</u>
Patent number	~~08/27/2024~~	Patent number	<u>null</u>
Issue date		Issue date	

Prior application status	PATENTED
Application number	18205206
Continuity type	Continuation of
Prior application number	17952026
Prior application filing date	09/23/2022
	11666827
Patent number	06/6/2023
Issue date	

Prior application status	PATENTED
Application number	17952026
Continuity type	Continuation of
Prior application number	17172623
Prior application filing date	02/10/2021
	11484797
Patent number	11/1/2022
Issue date	

Prior application status	PATENTED
Application number	17172623
Continuity type	Continuation of
Prior application number	15215406
Prior application filing date	07/20/2016
Patent number	10946284
Issue date	03/16/2021

Prior application status	ABANDONED
Application number	15215406
Continuity type	Continuation of
Prior application number	14084113
Prior application filing date	11/19/2013

Prior application status	PENDING
Application number	14084113
Continuity type	Claims benefit of provisional
Prior application number	61796715
Prior application filing date	11/19/2012

Prior application status	~~PENDING~~
Application number	~~19176364~~
Continuity type	Continuation of
Prior application number	~~18813579~~
Prior application filing date	~~08/23/2024~~

Prior application status	<u>PATENTED</u>
Application number	<u>18813579</u>
Prior application number	<u>18205206</u>
Prior application filing date	<u>06/2/2023</u>

Foreign Priority Information

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the Application Data Sheet constitutes the claim for priority as required by 35 U.S.C. 119 (b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Data of record

Updated Data



No data change in this section

Applicant Information

The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46.

Data of record

Updated Data



No data change in this section

Assignee Information including Non-Applicant Assignee Information

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Data of record

Updated Data



No data change in this section

Signature

.....

NOTE:

This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See CFR 1.4(d) for the manner of making signatures and certifications.

Signature	First name	Last name	Registration #	Date
/Frank Bruno/	Frank	Bruno	46583	04/22/2025



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
04/22/2025 04:08:16 PM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	70113203	FILING DATE	04/11/2025
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
CorrectedADS.pdf	5	Application Data Sheet to update/correct info	106 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
CorrectedADS.pdf	D587C86465F3A73FB841FC328E8F00F209AF8C2048F9C1977 D53F19459FD9A3DE168C5BFA88F2F5529AE4A1ADD070D1EB 052630FCC3253894AABEF4A37B7CA62

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043

CONFIRMATION NO. 4736

IMPROPER CFR REQUEST



OC000000087746838

112211
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

Date Mailed: 04/25/2025

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

In response to your request for a corrected filing receipt dated 04/22/2025, the Office is unable to comply with your request because:

- One or more of the benefit claims under 35 U.S.C. § 120 cannot be included on the Filing Receipt since applicant did not specify whether the application is a continuation, divisional or continuation-in-part of the prior application. Applicant must submit a new application data sheet (ADS) that sets forth the relationship, and the ADS must be accompanied by a petition under 37 CFR 1.78 if filed after the time period set forth in 37 CFR 1.78.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/byemane/



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736
112211	7590	05/02/2025	EXAMINER	
White and Williams LLP			CENTRAL, DOCKET	
1650 Market Street				
Suite 1800				
Philadelphia, PA 19103				
			ART UNIT	PAPER NUMBER
			OPAP	
			MAIL DATE	DELIVERY MODE
			05/02/2025	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<i>Decision Granting Request for Prioritized Examination (Track I)</i>	Application No. 19/176,364	Applicant(s) Chowdhary et al.	
	Examiner CHERYL P GIBSON BAYLOR	Art Unit OPET	AIA (FITF) Status Yes

1. THE REQUEST FILED 11 April 2025 IS **GRANTED** .

The above-identified application has met the requirements for prioritized examination

A. ☒ for an original nonprovisional application (Track I).

B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination.** The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

A. filing a **petition for extension of time** to extend the time period for filing a reply;

B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims**, or a multiple dependent claim;

C. filing a **request for continued examination** ;

D. filing a notice of appeal;

E. filing a request for suspension of action;

F. mailing of a notice of allowance;

G. mailing of a final Office action;

H. completion of examination as defined in 37 CFR 41.102; or

I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to CHERYL GIBSON BAYLOR at (571)272-3213. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/CHERYL GIBSON BAYLOR/ Paralegal Specialist, OPET	
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
05/27/2025 10:43:12 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	70588404	FILING DATE	04/11/2025
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	46 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic- Approved	18 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	7B2B7162630DF15CDCAF7BCA17E79CAC931CA9CFA74B7CB 04437FBBA5E4741A791CC5BFCC08C41E350C9BFAAD99D4A9 714F996535A696204AE8452E8E2E7D93C
grantLetter.pdf	FD60A79CC50A83A9915F5BF7E36275E427FA134678B2E2782

B20059C4AC2C14DB79FA59FA14210B0A211BCD81E2CB08A1
D72F01307FB3F8D83E3D2280993C73E

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #
19176364

FILING DATE
04/11/2025

FIRST NAMED INVENTOR
Yousuf Chowdhary

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY



Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action



This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent interest
ImagineAR, Inc.	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
18813579	08/23/2024

as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

Patent #
12070691
11666827
11484797
10946284

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or

- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.



Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:

Small

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Signature

Name

Registration #

/Frank Bruno/

Frank Bruno

46583

* Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP 324.



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ELECTRONIC PAYMENT RECEIPT

APPLICATION # 19/176,364	RECEIPT DATE / TIME 05/27/2025 10:43:12 AM Z ET	ATTORNEY DOCKET # 0036177-00043
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Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	70588404	AUTHORIZED BY	-
CUSTOMER #	112211	FILING DATE	04/11/2025
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Yousuf Chowdhary

Payment Information

PAYMENT METHOD DA / 506044	PAYMENT TRANSACTION ID E20255QA44068227	PAYMENT AUTHORIZED BY Frank Bruno
PRE-AUTHORIZED ACCOUNT 506044	PRE-AUTHORIZED CATEGORY 37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)	

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	183.00	1	183.00
TOTAL AMOUNT:				\$183.00

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
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APPROVAL LETTER

APPLICATION #
19/176,364

FILING DATE
04/11/2025

APPLICANT/PATENT UNDER REEXAMINATION
Yousuf Chowdhary

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Electronic terminal disclaimer filed on 05/27/2025



Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved



UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
06/11/2025 10:29:49 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 70838569

FILING DATE 04/11/2025

CUSTOMER # 112211

FIRST NAMED
INVENTOR Yousuf Chowdhary

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
036177-00043- ADS.CORR.pdf	9	Application Data Sheet	320 KB

Warning: This is not a USPTO supplied ADS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
036177-00043-ADS.CORR.pdf	B61CDB2C892A4112BE80B9C556C7524C1A30B809AF29C59F C8EFF483377024D9CF2CFEA0F6FCD6EE711F4019826F29B05 E1DEDEA66CAC763A105232C192C1345

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Yousuf		Chowdhary		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Maple	Country of Residence ⁱ	CA		
Mailing Address of Inventor:					
Address 1	191 Athabaska Drive				
Address 2					
City	Maple	State/Province	ON		
Postal Code	L6A 39R	Country ⁱ	CA		
Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Jeffrey		Brunette		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Aurora	Country of Residence ⁱ	CA		
Mailing Address of Inventor:					
Address 1	9 Candac Valley Drive				
Address 2					
City	Aurora	State/Province	ON		
Postal Code	L4G 6W7	Country ⁱ	CA		
Inventor 3					Remove
Legal Name					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Prefix	Given Name	Middle Name	Family Name	Suffix
	Ravinder ("Ray")		Sharma	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Toronto		Country of Residenceⁱ	CA
Mailing Address of Inventor:				
Address 1	7 Tudor Gate			
Address 2				
City	Toronto		State/Province	ON
Postal Code	M2L 1N3	Countryⁱ	CA	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).				
☐ An Address is being provided for the correspondence Information of this application.				
Customer Number	112301			
Email Address	ipdocket@whiteandwilliams.com	Add Email	Remove Email	

Application Information:

Title of the Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay			
Attorney Docket Number	0036177-00043	Small Entity Status Claimed ☒		
Application Type	Nonprovisional			
Subject Matter	Utility			
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	1	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One: ☒ Customer Number ☐ US Patent Practitioner ☐ Limited Recognition (37 CFR 11.9)			
Customer Number	112301		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78. When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
19176364	Continuation of	18813579	2024-08-23		
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
18813579	Continuation of	18205206	2023-06-02	12070691	2024-08-27
Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
18205206	Continuation of	17952026	2022-09-23	<u>11666827</u>	<u>2023-06-06</u>
Prior Application Status	<u>Patented</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
<u>17952026</u>	<u>Continuation of</u>	<u>17172623</u>	<u>2021-02-10</u>	<u>11484797</u>	<u>2022-11-01</u>

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		0036177-00043	
		Application Number		19176364	
Title of Invention		Systems and Methods for Capture and Use of Local Elements in Gameplay			

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17172623	Continuation of	15215406	2016-07-21	10946284	2021-03-16

Prior Application Status		<u>Abandoned</u>		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15215406	Continuation of	14084113	2013-11-19		

Prior Application Status		<u>Expired</u>		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
14084113	Claims benefit of provisional	61796715	2012-11-19		

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.				Add	
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Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

			Remove
Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the Add button.			Add
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Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0036177-00043
	Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

- A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.
- ☐
- B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.
- ☐

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear

☒ Assignee
 ☐ Legal Representative under 35 U.S.C. 117
 ☐ Joint Inventor

☐ Person to whom the inventor is obligated to assign.
 ☐ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name ImagineAR, Inc.

Mailing Address Information For Applicant:

Address 1 250-750 West Pender Street
Address 2
City Vancouver **State/Province** ON
Country¹ CA **Postal Code** V6C 2T7
Phone Number **Fax Number**
Email Address

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

Remove

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		State/Province	
Country ⁱ		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Add

Signature:

Remove

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Frank A. Bruno/		Date (YYYY-MM-DD)	2025-05-27
First Name	Frank	Last Name	Bruno	Registration Number
				46583

Additional Signature may be generated within this form by selecting the Add button.

Add

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

<i>Examiner-Initiated Interview Summary</i>	Application No. 19/176,364	Applicant(s) Chowdhary et al.		
	Examiner THOMAS H HENRY	Art Unit 3715	AIA (First Inventor to File) Status Yes	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
THOMAS H HENRY	Primary Examiner	Telephonic
Frank Bruno	Attorney	

Date of Interview: 28 May 2025

Issues Discussed:

Non-statutory Double Patenting

Examiner indicated a TD would place the case in condition for allowance, agreement was reached.

	/THOMAS H HENRY/ Primary Examiner, Art Unit 3715
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

<i>Notice of References Cited</i>	Application/Control No. 19/176,364		Applicant(s)/Patent Under Reexamination Chowdhary et al.	
	Examiner THOMAS H HENRY		Art Unit 3715	Page 1 of 1

U.S. PATENT DOCUMENTS						
*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-20110183754-A1	2011-07-28	Alghamdi; Mansour Ali Saleh	A63F13/49	463/31
*	B	US-20130079144-A1	2013-03-28	Ahmed; Neshay	A63F13/216	463/42
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS					
*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Country	CPC Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS		
*		Include as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in YYYY-MM-DD format are publication dates. Classifications may be US or foreign.

<i>Search Notes</i> 	Application/Control No. 19/176,364	Applicant(s)/Patent Under Reexamination Chowdhary et al.
	Examiner THOMAS H HENRY	Art Unit 3715

CPC - Searched*		
Symbol	Date	Examiner
A63F 13/65, 13/216, 13/327, 13/33, 13/60, 2300/205, 2300/206, 2300/8082	06/03/2025	TH

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
inventor name search	06/03/2025	TH
assignee search	06/03/2025	TH
updated search from related cases such as 14/084,113	06/03/2025	TH

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
A63F	13/65, 13/216, 13/327, 13/33, 13/60, 2300/205, 2300/206, 2300/8082	06/03/2025	TH

	/THOMAS H HENRY/ Primary Examiner, Art Unit 3715
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Issue Classification 	Application/Control No. 19/176,364	Applicant(s)/Patent Under Reexamination Chowdhary et al.
	Examiner THOMAS H HENRY	Art Unit 3715

CPC						
Symbol					Type	Version
A63F	/	13	/	65	F	2014-09-02
A63F	/	13	/	60	I	2014-09-02
A63F	/	13	/	216	I	2014-09-02
A63F	/	13	/	33	I	2014-09-02
A63F	/	13	/	327	I	2014-09-02
A63F	/	2300	/	206	A	2013-01-01
A63F	/	2300	/	205	A	2013-01-01
A63F	/	2300	/	8082	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE (Assistant Examiner) (Date)		Total Claims Allowed: 20	
/THOMAS H HENRY/ Primary Examiner, Art Unit 3715 (Primary Examiner) (Date)		03 June 2025 O.G. Print Claim(s)	1 O.G. Print Figure

Issue Classification 	Application/Control No. 19/176,364	Applicant(s)/Patent Under Reexamination Chowdhary et al.
	Examiner THOMAS H HENRY	Art Unit 3715

INTERNATIONAL CLASSIFICATION					
CLAIMED					
A63F	/	13	/	65	
A63F	/	13	/	60	
A63F	/	13	/	216	
A63F	/	13	/	33	
A63F	/	13	/	327	
NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION					
CLASS			SUBCLASS		
CROSS REFERENCES(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/THOMAS H HENRY/ Primary Examiner, Art Unit 3715 (Primary Examiner)	03 June 2025 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Issue Classification 	Application/Control No. 19/176,364	Applicant(s)/Patent Under Reexamination Chowdhary et al.
	Examiner THOMAS H HENRY	Art Unit 3715

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE	Total Claims Allowed:	
(Assistant Examiner)	(Date)	20
/THOMAS H HENRY/ Primary Examiner, Art Unit 3715	03 June 2025	O.G. Print Claim(s)
(Primary Examiner)	(Date)	1
		O.G. Print Figure
		1

Bibliographic Data

Application No: 19/176,364

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☐ No ☐ Met After Allowance

Verified and Acknowledged: /THOMAS H HENRY/

Examiner's Signature

Initials

Title:

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/11/2025	463	3715	0036177-00043
RULE			

APPLICANTS

ImagineAR, Inc., Vancouver, BC, CANADA

INVENTORS

Yousuf Chowdhary, Maple, CANADA

Jeffrey Brunette, Aurora, CANADA

Ravinder ("Ray") Sharma, Toronto, CANADA

Oliver T. Watkins JR., San Francisco, CA, UNITED STATES

CONTINUING DATA

This application is a CON of 18813579 08/23/2024

This application is a CON of 18205206 06/02/2023 PAT 12070691

18205206 is a CON of 17952026 09/23/2022 PAT 11666827

17952026 is a CON of 17172623 02/10/2021 PAT 11484797

17172623 is a CON of 15215406 07/20/2016 PAT 10946284

15215406 is a CON of 14084113 11/19/2013ABN

14084113 has PRO of 61796715 11/19/2012

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

04/17/2025

** SMALL ENTITY **

STATE OR COUNTRY

CANADA

ADDRESS

White and Williams LLP

1650 Market Street
Suite 1800
Philadelphia, PA 19103
UNITED STATES

FILING FEE RECEIVED

\$4,136

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	241	(A63F13/65).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:18 PM
L2	119	(A63F13/60).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:19 PM
L3	6605	(A63F13/10).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:19 PM
L4	7979	(A63F13/12).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:19 PM
L5	0	change with story with local with game	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:57 PM
L6	1	change with story with location with game	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:57 PM
L7	83	("463").clas. and (location with customize)	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:58 PM
L8	33	("20060189371" "7484176" "20080139306" "20080070669" "5941772" "20110190066" "20070077978" "20090156179" "20070259713" "20080026838" "6476830" "20070093299" "6887157" "7090576" "20050037845" "20080020788" "20090023489" "20110201414" "20030083943" "20080167106" "20030188306" "20050137015" "20060240894" "20070060330" "20120322550" "20090124384" "20050227811" "20030073494" "20090124386" "20020042740" "20070197296" "20080181535" "20100137067").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:04 PM
L9	23	L8 and location	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:04 PM
L10	1133	("463").clas. and (location with (item story storyline building))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:10 PM
L11	15408	game and (location with (item story storyline building))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:10 PM
L12	812	("463").clas. and (location with (item story storyline))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:11 PM
L13	98	("463").clas. and	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06

		(location with (story storyline))					07:11 PM
L14	1	"20070021203"	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:13 PM
L15	1	"20110319148"	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 08:00 PM
L16	60	("463").clas. and (player with location) same (story storyline)	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/11 04:12 PM
L17	9	("463").clas. and (geographic with location) same (story storyline)	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/11 04:12 PM
L18	2	"13325151"	(US-PGPUB; USPAT)	OR	OFF	OFF	2017/07/24 08:48 AM
L19	152	iphone with docking with station	(US-PGPUB; USPAT)	OR	OFF	OFF	2018/05/16 12:39 PM
L20	2	"20090111556"	(US-PGPUB; USPAT)	OR	OFF	OFF	2019/08/05 05:34 AM
L21	1	"15215406"	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/01/17 01:56 PM
L22	31	unique with geographical with location and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 12:59 PM
L23	14	unique with geographical with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:00 PM
L24	81	unique with country and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:01 PM
L25	564	unique with state and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
L26	463	map with player with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
L27	51	map with player with world with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
L28	74	real with world with activate and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:02 PM
L29	0	real with world with actuate and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:02 PM
L30	62	real with world with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:02 PM
L31	114	location with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L32	601	location with (actuate	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23

		activate) and (A63F\$).cpc.					03:03 PM
L33	96	friend with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L34	74948	friend with activateand (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L35	12	friend with activate and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L36	13	geographic with location same (unlock activate)	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:12 PM
L37	10	gps with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:22 PM
L38	10	global with positioning with system with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:22 PM
L45	385	location with sensor and unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 08:35 PM
L46	1422	location with sensor and activate and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 08:35 PM
L47	58	location with sensor same activate and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 08:36 PM
L48	48	location with sensor same modify and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 08:36 PM
L49	2	global with positioning with system with modify and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 08:36 PM
L50	210	real with world with modify and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:36 PM
L51	21	friend with modify with game and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:36 PM
L52	3087	unique with location and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:37 PM
L53	204	unique with gps and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:37 PM
L54	0	modify with plot with node and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:40 PM
L55	0	plot with node and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:40 PM
L56	1	local with element with script and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:40 PM
L57	5	("2011/0183754").URP N.	(USPAT)	OR	OFF	OFF	2020/12/23 08:42 PM
L58	9	("2013/0079144").URP N.	(USPAT)	OR	OFF	OFF	2020/12/23 08:42 PM
L59	13	("2012/0157197").URP N.	(USPAT)	OR	OFF	OFF	2020/12/23 08:42 PM

L60	91	(L6 L7 L8 L9 L13 L16 L17 L22 L23 L24 L27 L30 L31 L33 L35 L36 L37 L38 L47 L48 L49 L51 L57 L58 L59) AND @PD>"20210101"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/07/18 03:27 PM
L61	781	(N43 N42 N41 N40 N39) AND @pd>"20210101"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2022/07/18 03:44 PM
L62	43	("20030138130" OR "20030224852" OR "20030224855" OR "20060009979" OR "20070021166" OR "20070152976" OR "20080040692" OR "20080122796" OR "20090005140" OR "20090017913" OR "20090052785" OR "20090163272" OR "20090227374" OR "20090231295" OR "20090251457" OR "20090265671" OR "20100104134" OR "20100188328" OR "20100259493" OR "20100298050" OR "20100306716" OR "20100331089" OR "20110093820" OR "20110151974" OR "20110169726" OR "20110173204" OR "20110181526" OR "20110183754" OR "20110273380" OR "20110289456" OR "20120007821" OR "20120122570" OR "20120127089" OR "20120225719" OR "20120313847" OR "20130120279" OR "20130120282" OR "5704836" OR "6249606" OR "6932698" OR "7806759" OR "8088010" OR "9566503").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/07/19 02:33 PM
L63	58	(L6 L7 L8 L9 L13 L16 L17 L22 L23 L24 L27 L30 L31 L33 L35 L36 L37 L38 L47 L48 L49 L51 L57 L58 L59) AND	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:02 AM

L64	1	@PD>"20220101" (((("Imagine") near3 ("AR") near3 ("Inc"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/01/20 09:03 AM
L65	110	(((("Chowdhary") near3 ("Yousuf"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:10 AM
L66	97	(((("Brunet") near3 ("Jeffrey"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:10 AM
L67	43	(((("Sharma") near3 ("Ravinder"))).INV.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:11 AM
L68	1877	(A63F13/216).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:11 AM
L69	1311	(A63F13/327).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:12 AM
L70	534	(A63F13/33).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:12 AM
L71	462	(A63F2300/205).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:12 AM
L72	1254	(A63F2300/206).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:12 AM
L73	2523	(A63F2300/8082).cpc.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/01/20 09:12 AM
L74	74	(L6 L7 L8 L9 L13 L16 L17 L22 L23 L24 L27 L30 L31 L33 L35 L36 L37 L38 L47 L48 L49 L51 L57 L58 L59) AND @PD>"20230101"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/04/16 08:12 AM
L75	102	(L6 L7 L8 L9 L13 L16 L17 L22 L23 L24 L27 L30 L31 L33 L35 L36 L37 L38 L47 L48 L49 L51 L57 L58 L59) AND @PD>"20240101"	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2025/05/27 01:26 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N39	2547	(A63F13/65).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N40	1163	(A63F13/60).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N41	6319	(A63F13/10).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N42	8267	(A63F13/12).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N43	14	(local script virtual character).clm.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:11 PM
N44	781	(N43 N42 N41 N40 N39) AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/07/18 04:00 PM

N45	526	@pd>"20210101" (N43 N42 N41 N40 N39) AND	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:02 AM
N46	2	@pd>"20220101" N43 AND	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:02 AM
N47	534	@PD>"20220101" (A63F13/33).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N48	1311	(A63F13/327).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N49	1877	(A63F13/216).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N50	462	(A63F2300/205).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N51	1254	(A63F2300/206).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N52	2522	(A63F2300/8082).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N53	1123	(N43 N42 N41 N40 N39 N47 N48 N49 N50 N51 N52) AND @pd>"20240101"	(US-PGPUB; USPAT)	OR	ON	ON	2025/05/27 01:28 PM



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

112211 7590 06/16/2025
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

EXAMINER	
HENRY, THOMAS HAYNES	
ART UNIT	PAPER NUMBER
3715	

DATE MAILED: 06/16/2025

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736

TITLE OF INVENTION: SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	09/16/2025

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

112211 7590 06/16/2025
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736

TITLE OF INVENTION: SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	\$516	\$0.00	\$0.00	\$516	09/16/2025

EXAMINER	ART UNIT	CLASS-SUBCLASS
HENRY, THOMAS HAYNES	3715	463-042000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required)

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via the USPTO patent electronic filing system ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736
112211	7590	06/16/2025	EXAMINER	
White and Williams LLP 1650 Market Street Suite 1800 Philadelphia, PA 19103			HENRY, THOMAS HAYNES	
			ART UNIT	PAPER NUMBER
			3715	
DATE MAILED: 06/16/2025				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).

<https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf>

Routine uses of the information in this record may include disclosure to:

- 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
- 2) a federal, state, local, or international agency, in response to its request;
- 3) a contractor of the USPTO having need for the information in order to perform a contract;
- 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
- 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
- 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
- 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
- 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c));
- 9) the Office of Personnel Management (OPM) for personnel research purposes; and
- 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 19/176,364	Applicant(s) Chowdhary et al.	
	Examiner THOMAS H HENRY	Art Unit 3715	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to TD filed 5/27/25.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 30-49. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov**.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. ☒ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____. | 6. ☒ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material ____. | 7. ☐ Other ____. |
| 4. ☒ Interview Summary (PTO-413),
Paper No./Mail Date ____. | |

/THOMAS H HENRY/
Primary Examiner, Art Unit 3715

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Allowable Subject Matter

Claims 30-49 are allowable for substantially the same reasons as parent application(s). Although the claims are not identical, they cover similar subject matter to the parent case and are allowable for the same reasons. This case is subject to a terminal disclaimer to the parent case, thus overcoming a double patenting rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS HAYNES HENRY whose telephone number is (571)270-3905. The examiner can normally be reached M-F 10-6.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vasat can be reached at 571-270-7625. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: <https://patentcenter.uspto.gov>. Visit <https://www.uspto.gov/patents/apply/patent-center> for more information about Patent Center and <https://www.uspto.gov/patents/docx> for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

Art Unit: 3715

assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/THOMAS H HENRY/

Primary Examiner, Art Unit 3715



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043

CONFIRMATION NO. 4736

112211
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

PUBLICATION NOTICE



OC000000092014307

Date Mailed: 07/24/2025

Title:SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Publication No.US-2025-0235791-A1

Publication Date:07/24/2025

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be viewed using the USPTO's publicly available Searchable Databases via the Patent Public Search tool at www.uspto.gov. The direct link to access the Patent Public Search tool is currently <https://ppubs.uspto.gov/pubwebapp/static/pages/ppubsbasic.html>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through Patent Center, the USPTO's electronic patent application filing and management system. The direct link to access this status information is currently <https://patentcenter.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of Patent Center.

Further assistance in electronically accessing the publication, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736
112211	7590	07/30/2025		
White and Williams LLP 1650 Market Street Suite 1800 Philadelphia, PA 19103			EXAMINER HENRY, THOMAS HAYNES	
			ART UNIT	PAPER NUMBER
			3715	
			MAIL DATE	DELIVERY MODE
			07/30/2025	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Application No. : 19176364
Applicant : Chowdhary
Filing Date : 04/11/2025
Date Mailed : 07/30/2025

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given two (2) months from the mail date of this Notice within which to respond. This time period for reply is extendable under 37 CFR 1.136(a) for only TWO additional MONTHS.

The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37 CFR 1.173). Such an amendment may be filed after payment of the issue fee if limited to correction of informalities noted herein. See Waiver of 37 CFR 1.312 for Documents Required by the Office of Patent Publication, 1280 Off. Gaz. Patent Office 918 (March 23, 2004). In addition, if the informality is not corrected until after payment of the issue fee, for purposes of 35 U.S.C. 154(b)(1)(iv), “all outstanding requirements” will be considered to have been satisfied when the informality has been corrected. A failure to respond within the above-identified time period will result in the application being ABANDONED.

See attachment(s).

*A copy of this notice **MUST** be returned with the reply. Please address response to
“Mail Stop Issue Fee, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450”.*

/June Hope/
Publication Branch
Office of Data Management
(571) 272-4200

Application No. 19176364

**IDENTIFICATION OF APPLICATION DEFICIENCIES
IN APPLICATION FILED ON OR AFTER SEPTEMBER 16, 2012**

- ☐ Applicant must provide legible text for the following item(s).
- ☐ Specification filed , page(s) .
- ☐ Claims filed , claim(s) .
- ☐ Other: .
- ☒ Applicant must provide missing information on the following page(s) of the specification by amending the specification to add the missing text. No new matter may be added.
Page/line no(s). Paragraph [0001], line 2 of SPEC amendment (1-page) dated 04/11/2025
- ☐ The specification refers to one or more applications by attorney docket number and does not show the U.S. application number(s). Applicant must supply the U.S. application number in place of each attorney docket number.
Page/line no(s).
- ☐ Applicant must provide an Abstract of the Disclosure.
- ☐ The Application Data Sheet (ADS dated) does not supply the inventor's city and/or does not supply the inventor's U.S. state and/or does not supply the inventor's country. Applicant must submit a signed, in accordance with 37 CFR 1.76(e) and 1.33(b), application data sheet that corrects this deficiency. To be in compliance with 37 CFR 1.76, the corrected application data sheet must identify the information being changed by using underlining for additions and strikethroughs or brackets for deletions.
- ☐ Other:

The response to this notice should contain only amended papers, as the waiver of 37 CFR 1.312 is limited to corrections of documents specifically requested in the notice.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043

CONFIRMATION NO. 4736

IMPROPER CFR REQUEST



OC00000092316862

112211
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

Date Mailed: 07/30/2025

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected filing Receipt dated 06/11/2025, the Office is unable to comply with your request because:

- The ADS received on 06/11/2025 was not properly marked up to show the desired changes. For information being changed relative to the information already of record, additions must be shown with underlining, and deletions must be shown with strike-through or brackets. See 37 CFR 1.76(c)(2).

How to Make Changes in the Information of Record Using a Corrected Application Data Sheet: In order to make changes to the information of record, an ADS must be properly signed and properly marked up relative to the current information of record.

Proper signature: The ADS must be signed with a handwritten signature or proper S-signature by:

- A patent practitioner, with the practitioner's registration number accompanying the signature (e.g., immediately below or adjacent to the signature), or
- The applicant, if the applicant is an individual other than the inventor(s) and no power of attorney has been appointed, or
- All of the inventors, if no other applicant has been established and no power of attorney has been appointed.

A proper S-signature consists of only letters and/or Arabic numerals, with appropriate spaces and commas, periods, apostrophes, or hyphens for punctuation contained between a first single forward slash mark before, and a second single forward slash mark after, the S-signature.

Proper markings: The ADS must identify the changes being made with underlining for insertions and strike-through or brackets for text removed relative to the information of record. No other markings or indications are acceptable. Where an ADS providing corrected or updated information does not contain all of the sections of the ADS, the entire section (including the heading) in which changes are being made must be included in the ADS. Information of record can generally be found on the latest filing receipt.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at
(571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/sstephanos/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ImagineAR, Inc.	Examiner: Henry, Thomas Haynes
US Appln. No.: 19/176,364	Group Art Unit: 3715
Filed: April 11, 2025	Confirmation No.: 4736
Title: SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY	Attorney Docket No.: 0036177-00043

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Dear Sir/Madam:

Dear Sir/Madam:

Please amend the above-identified patent application as follows:

Amendment to the Specification begins on page 2 of this paper.

Listing of the Claims begins on page 3 of this paper.

Remarks/Arguments begins on page 6 of this paper.

AMENDMENT TO THE SPECIFICATION

Please replace paragraph [0001] as follows:

[0001] This application is a continuation of U.S. Patent Application Serial No. 18/813,579 filed August 23, 2024, which is a continuation of U.S. Patent Application Serial No. 18/205,206 filed June 2, 2023, now U.S. Patent No. 12,070,691, which is a continuation of U.S. Patent Application Serial No. 17/952,026 filed September 23, 2022, now U.S. Patent No. 11,666,827, which is a continuation of U.S. Patent Application Serial No. 17/172,623 filed February 10, 2021, now U.S. Patent No. 11,484,797, which is a continuation of U.S. Patent Application No. 15/215,406 filed July 20, 2016, now U.S. Patent No. 10,946,284, which is a continuation of U.S. Patent Application Serial No. 14/084,113, filed November 19, 2013, now abandoned, which claims the benefit of U.S. Provisional Patent Application Serial No. 61/796,715, filed November 19, 2012, the contents of which applications are hereby incorporated by reference in their entirety.

AMENDMENTS TO THE CLAIMS

What is claimed is:

Claims 1-29 (Previously Canceled).

30. (Previously Presented) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay; and

using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a type of non-player characters that will appear during the virtual gameplay.

31. (Previously Presented) The method of claim 30, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to call a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the type of non-player characters that will appear during the virtual gameplay.

32. (Previously Presented) The method of claim 30, wherein the first weather condition is obtained from a news feed.

33. (Previously Presented) The method of claim 30, wherein the first weather condition is retrieved from a website.

34. (Previously Presented) The method of claim 30, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.

35. (Previously Presented) The method of claim 30, wherein a device identifier for the computing device is used to determine the real world player geographic location.

36. (Previously Presented) The method of claim 30, wherein the real world player geographic location is a billing address linked to the computing device.

37. (Previously Presented) The method of claim 30, wherein the real world player geographic location is determined during a login process.

38. (Previously Presented) The method of claim 30, wherein the real world player geographic location is periodically determined during gameplay.

39. (Previously Presented) The method of claim 30, further comprising causing the first weather condition to be shown during virtual gameplay.

40. (Previously Presented) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

- determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay;

- using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a virtual character statistic of a non-player character that will appear during the virtual gameplay.

41. (Previously Presented) The method of claim 40, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to retrieve from a database coupled to the computing device a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the virtual character statistic of the non-player character that will appear during the virtual gameplay.

42. (Previously Presented) The method of claim 40, wherein the first weather condition is obtained from a news feed.

43. (Previously Presented) The method of claim 40, wherein the first weather condition is retrieved from a website.

44. (Previously Presented) The method of claim 40, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.

45. (Previously Presented) The method of claim 40, wherein a device identifier for the computing device is used to determine the real world player geographic location.

46. (Previously Presented) The method of claim 40, wherein the real world player geographic location is a billing address linked to the computing device.

47. (Previously Presented) The method of claim 40, wherein the real world player geographic location is determined during a login process.

48. (Previously Presented) The method of claim 40, wherein the real world player geographic location is periodically determined during gameplay.

49. (Previously Presented) The method of claim 40, further comprising causing the first weather condition to be shown during virtual gameplay.

REMARKS

I. Status of Claims

Claims 30-49 are hereby presented for examination.

II. Correspondence and Fees

Entry of this Response is respectfully requested. No new matter is presented. Any fees are to be charged to Deposit Account No. 506044. Authorization is hereby given to charge Deposit Account No. 506044 for any future underpayment, or to credit any overpayments.

Please address all correspondence to the correspondent address for Customer No. 112301 to Practice Group Administrator, White and Williams, LLP, 1650 Market Street, One Liberty Place, Suite 1800, Philadelphia, PA 19103. Telephone calls should be made to Frank A. Bruno at (215) 864-6225.

Dated: August 22, 2025

Respectfully Submitted,

By: /Frank A. Bruno/
Frank A. Bruno
Registration No. 46,583
White and Williams LLP
White and Williams Customer No. 112301
Direct Tel. No.: 215-864-6225



UNITED STATES
PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
08/22/2025 11:40:51 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	71973063	FILING DATE	04/11/2025
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
00043_Response.pdf	6	Amendment/Request for Reconsideration-After Non- Final Rejection	113 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
00043_Response.pdf	B3AF371EAE8D4B15227C01258D0C5285F108D104D4F3AA2B AD0432606701E66701D0CC5869E75E86C1FA53CDCFF32AED 7246966EE96B2000C3C60544AF3657

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
08/22/2025 04:00:34 PM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 71979762

FILING DATE 04/11/2025

CUSTOMER # 112211

FIRST NAMED
INVENTOR Yousuf Chowdhary

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
CorrectedADS.pdf	5	Application Data Sheet to update/correct info	109 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
CorrectedADS.pdf	5EE9E991BD4E646E06F5B4DE6FC081194DA4CDD86DE88151 8699E82BC573A868FA2719FD53CAFBBC1BD2ED59932FAAEF6 C4D80A84859E7342FB95959E60DAAA27

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES
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Corrected Application Data Sheet

19176364 : SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

~~Strike through~~ indicates removal of data from existing record Underline indicates new data being added to the application If no data is shown, no data has been corrected

Inventor Information

Data of record

Updated Data



No data change in this section

Application Information

Title of Invention SYSTEMS AND METHODS FOR
CAPTURE AND USE OF LOCAL
ELEMENTS IN GAMEPLAY

Attorney Docket
Number 0036177-00043

Entity Status Small

Domestic Benefit/National Stage Information

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c), 386(c), or indicate

National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Data of record**Updated Data**

Prior application
status
PATENTED
Application number
19176364
Continuity type
Continuation of
Prior application
number
~~18205206~~
~~06/2/2023~~
Prior application filing
date
~~12070691~~
Patent number
~~08/27/2024~~
Issue date

Prior application
status
PENDING
Prior application
number
18813579
Prior application filing
date
08/23/2024
null
Patent number
null
Issue date

Prior application
status
PATENTED
Application number
18205206
Continuity type
Continuation of
Prior application
number
17952026
Prior application filing
date
09/23/2022
11666827
Patent number
06/6/2023
Issue date

Prior application
status
PATENTED
Application number
17952026
Continuity type
Continuation of
Prior application
number
17172623
Prior application filing
date
02/10/2021
11484797
Patent number
11/1/2022
Issue date

Prior application status	PATENTED
Application number	17172623
Continuity type	Continuation of
Prior application number	15215406
Prior application filing date	07/20/2016
Patent number	10946284
Issue date	03/16/2021

Prior application status	ABANDONED
Application number	15215406
Continuity type	Continuation of
Prior application number	14084113
Prior application filing date	11/19/2013

Prior application status	PENDING
Application number	14084113
Continuity type	Claims benefit of provisional
Prior application number	61796715
Prior application filing date	11/19/2012

Prior application status	~~PENDING~~
Application number	~~19176364~~
Continuity type	~~Continuation of~~
Prior application number	~~18813579~~
Prior application filing date	~~08/23/2024~~

Prior application status	<u>PATENTED</u>
Application number	<u>18813579</u>
Continuity type	<u>Continuation of</u>
Prior application number	<u>18205206</u>
Prior application filing date	<u>06/2/2023</u>
Patent number	<u>12070691</u>
Issue date	<u>null</u>

Foreign Priority Information

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the Application Data Sheet constitutes the claim for priority as required by 35 U.S.C. 119 (b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Data of record

Updated Data



No data change in this section

Applicant Information

The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46.

Data of record

Updated Data



No data change in this section

Assignee Information including Non-Applicant Assignee Information

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Data of record

Updated Data



No data change in this section

Signature

NOTE:

This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See CFR 1.4(d) for the manner of making signatures and certifications.

Signature	First name	Last name	Registration #	Date
/Frank Bruno/	Frank	Bruno	46583	08/22/2025



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043

CONFIRMATION NO. 4736

IMPROPER CFR REQUEST



OC000000093561064

112211
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

Date Mailed: 08/26/2025

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Continuity, Priority Claims, Petitions, and Non-Publication Requests

In response to your request for a corrected filing receipt dated 08/22/2025, the Office is unable to comply with your request because:

- One or more of the benefit claims under 35 U.S.C. § 120 cannot be included on the Filing Receipt since applicant did not specify whether the application is a continuation, divisional or continuation-in-part of the prior application. Applicant must submit a new application data sheet (ADS) that sets forth the relationship, and the ADS must be accompanied by a petition under 37 CFR 1.78 if filed after the time period set forth in 37 CFR 1.78.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/zretta/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
19/176,364	04/11/2025	3715	902	0036177-00043	20	2

112211
White and Williams LLP
1650 Market Street
Suite 1800
Philadelphia, PA 19103

CONFIRMATION NO. 4736
CORRECTED FILING RECEIPT



0000000093561118

Date Mailed: 08/26/2025

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Yousuf Chowdhary, Maple, CANADA;
Jeffrey Brunette, Aurora, CANADA;
Ravinder ("Ray") Sharma, Toronto, CANADA;
Oliver T. Watkins, JR., San Francisco, CA;

Applicant(s)

ImagineAR, Inc., Vancouver, CANADA;

Power of Attorney: The patent practitioners associated with Customer Number 112301

Domestic Applications for which benefit is claimed

This application is a CON of 18/813,579 08/23/2024

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - **None**. Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 04/17/2025

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 19/176,364**

Projected Publication Date: Not Applicable.

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Preliminary Class

463

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: Yes

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Yousuf		Chowdhary		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Maple	Country of Residence ⁱ	CA		
Mailing Address of Inventor:					
Address 1	191 Athabaska Drive				
Address 2					
City	Maple	State/Province	ON		
Postal Code	L6A 39R	Country ⁱ	CA		
Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Jeffrey		Brunette		
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service					
City	Aurora	Country of Residence ⁱ	CA		
Mailing Address of Inventor:					
Address 1	9 Candac Valley Drive				
Address 2					
City	Aurora	State/Province	ON		
Postal Code	L4G 6W7	Country ⁱ	CA		
Inventor 3					Remove
Legal Name					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Prefix	Given Name	Middle Name	Family Name	Suffix
	Ravinder ("Ray")		Sharma	
Residence Information (Select One) ☐ US Residency ☒ Non US Residency ☐ Active US Military Service				
City	Toronto		Country of Residenceⁱ	CA
Mailing Address of Inventor:				
Address 1	7 Tudor Gate			
Address 2				
City	Toronto		State/Province	ON
Postal Code	M2L 1N3	Countryⁱ	CA	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button. Add				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).				
☐ An Address is being provided for the correspondence Information of this application.				
Customer Number	112301			
Email Address	ipdocket@whiteandwilliams.com	Add Email	Remove Email	

Application Information:

Title of the Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay			
Attorney Docket Number	0036177-00043	Small Entity Status Claimed ☒		
Application Type	Nonprovisional			
Subject Matter	Utility			
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	1	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	112301		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
49176364	Continuation of	48205206	2023-06-02	42070694	2024-08-27
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
48205206	Continuation of	47952026	2022-09-23	41666827	2023-06-06
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
47952026	Continuation of	47472623	2021-02-10	41484797	2022-11-04
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
47472623	Continuation of	45215406	2016-07-20	40946284	2021-03-16

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Prior Application Status	<u>Abandoned</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
45215406	<u>Continuation of</u>	44084113	2013-11-19		
Prior Application Status	<u>Expired</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
44084113	<u>Claims benefit of provisional</u>	61796715	2012-11-19		
Prior Application Status	<u>Pending</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
19176364	<u>Continuation of</u>	18813579	2024-08-23		
Prior Application Status	<u>Patented</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
18813579	<u>Continuation of</u>	18205206	2023-06-02	12070691	2024-08-27
Prior Application Status	<u>Patented</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
18205206	<u>Continuation of</u>	17952026	2022-09-23	11666827	2023-06-06
Prior Application Status	<u>Patented</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17952026	<u>Continuation of</u>	17172623	2021-02-10	11484797	2022-11-01
Prior Application Status	<u>Patented</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17172623	<u>Continuation of</u>	15215406	2016-07-20	10946284	2021-03-16
Prior Application Status	<u>Abandoned</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
15215406	<u>Continuation of</u>	14084113	2013-11-19		
Prior Application Status	<u>Expired</u>				Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
14084113	<u>Claims benefit of provisional</u>	61796715	2012-11-19		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0036177-00043
	Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.			
Applicant 1			Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.			
Clear			
☒ Assignee	☐ Legal Representative under 35 U.S.C. 117	☐ Joint Inventor	
☐ Person to whom the inventor is obligated to assign.		☐ Person who shows sufficient proprietary interest	
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:			
Name of the Deceased or Legally Incapacitated Inventor:			
If the Applicant is an Organization check here. ☒			
Organization Name	ImagineAR, Inc.		
Mailing Address Information For Applicant:			
Address 1	250-750 West Pender Street		
Address 2			
City	Vancouver	State/Province	ON
Country ¹	CA	Postal Code	V6C 2T7
Phone Number		Fax Number	
Email Address			
Additional Applicant Data may be generated within this form by selecting the Add button. Add			

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

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If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	Given Name	Middle Name	Family Name	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1				
Address 2				
City		State/Province		
Country ⁱ		Postal Code		
Phone Number		Fax Number		
Email Address				

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

[Add](#)**Signature:**[Remove](#)

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Frank A. Bruno/		Date (YYYY-MM-DD)	2025-08-25	
First Name	Frank	Last Name	Bruno	Registration Number	46583

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	0036177-00043
		Application Number	19176364
Title of Invention	Systems and Methods for Capture and Use of Local Elements in Gameplay		

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
08/28/2025 05:11:00 PM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 72066739

FILING DATE 04/11/2025

CUSTOMER # 112211

FIRST NAMED
INVENTOR Yousuf Chowdhary

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
036177-00043- ADS.CORR.pdf	10	Application Data Sheet	337 KB

Warning: This is not a USPTO supplied ADS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
036177-00043-ADS.CORR.pdf	1C347D42CC2BB948156A1EB894BD89B81AB74692E5F5A81A EB1887D3A9F3FB7E3546B1C72BE035E7FDEA88D7C4B84213 64261EBB419CA5EE53109222F0EEE22C

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by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
19/176,364	04/11/2025	Yousuf Chowdhary	0036177-00043	4736
112211	7590	09/03/2025	EXAMINER	
White and Williams LLP			HENRY, THOMAS HAYNES	
1650 Market Street				
Suite 1800				
Philadelphia, PA 19103				
			ART UNIT	PAPER NUMBER
			3715	
			MAIL DATE	DELIVERY MODE
			09/03/2025	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: ImagineAR, Inc.	Examiner: Henry, Thomas Haynes
US Appln. No.: 19/176,364	Group Art Unit: 3715
Filed: April 11, 2025	Confirmation No.: 4736
Title: SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY	Attorney Docket No.: 0036177-00043

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Dear Sir/Madam:

Dear Sir/Madam:

Please amend the above-identified patent application as follows:

Amendment to the Specification begins on page 2 of this paper.

Listing of the Claims begins on page 3 of this paper.

Remarks/Arguments begins on page 6 of this paper.

AMENDMENT TO THE SPECIFICATION

Please replace paragraph [0001] as follows:

[0001] This application is a continuation of U.S. Patent Application Serial No. 18/813,579 filed August 23, 2024, which is a continuation of U.S. Patent Application Serial No. 18/205,206 filed June 2, 2023, now U.S. Patent No. 12,070,691, which is a continuation of U.S. Patent Application Serial No. 17/952,026 filed September 23, 2022, now U.S. Patent No. 11,666,827, which is a continuation of U.S. Patent Application Serial No. 17/172,623 filed February 10, 2021, now U.S. Patent No. 11,484,797, which is a continuation of U.S. Patent Application No. 15/215,406 filed July 20, 2016, now U.S. Patent No. 10,946,284, which is a continuation of U.S. Patent Application Serial No. 14/084,113, filed November 19, 2013, now abandoned, which claims the benefit of U.S. Provisional Patent Application Serial No. 61/796,715, filed November 19, 2012, the contents of which applications are hereby incorporated by reference in their entirety.

OK TO ENTER: /T.H.H/

AMENDMENTS TO THE CLAIMS

What is claimed is:

Claims 1-29 (Previously Canceled).

30. (Previously Presented) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay; and

using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a type of non-player characters that will appear during the virtual gameplay.

31. (Previously Presented) The method of claim 30, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to call a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the type of non-player characters that will appear during the virtual gameplay.

32. (Previously Presented) The method of claim 30, wherein the first weather condition is obtained from a news feed.

33. (Previously Presented) The method of claim 30, wherein the first weather condition is retrieved from a website.

34. (Previously Presented) The method of claim 30, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.

35. (Previously Presented) The method of claim 30, wherein a device identifier for the computing device is used to determine the real world player geographic location.

36. (Previously Presented) The method of claim 30, wherein the real world player geographic location is a billing address linked to the computing device.

37. (Previously Presented) The method of claim 30, wherein the real world player geographic location is determined during a login process.

38. (Previously Presented) The method of claim 30, wherein the real world player geographic location is periodically determined during gameplay.

39. (Previously Presented) The method of claim 30, further comprising causing the first weather condition to be shown during virtual gameplay.

40. (Previously Presented) A computer-implemented method of enabling virtual gameplay on a computing device, the method comprising the steps of:

- determining a real world player geographic location of the computing device while executing a video game providing the virtual gameplay;

- using a first weather condition associated with the determined real world player geographic location to call a first one of a plurality of application programming interfaces (APIs), the first one of the plurality of APIs modifying a virtual character statistic of a non-player character that will appear during the virtual gameplay.

41. (Previously Presented) The method of claim 40, further comprising, responding to a weather condition change at the determined real work player geographic location by using a second weather condition associated with the determined real world player geographic location to retrieve from a database coupled to the computing device a second one of the plurality of APIs, the second one of the plurality of APIs further modifying the virtual character statistic of the non-player character that will appear during the virtual gameplay.

42. (Previously Presented) The method of claim 40, wherein the first weather condition is obtained from a news feed.

43. (Previously Presented) The method of claim 40, wherein the first weather condition is retrieved from a website.

44. (Previously Presented) The method of claim 40, wherein a wireless assisted global positioning sensor is used to determine the real world player geographic location.

45. (Previously Presented) The method of claim 40, wherein a device identifier for the computing device is used to determine the real world player geographic location.

46. (Previously Presented) The method of claim 40, wherein the real world player geographic location is a billing address linked to the computing device.

47. (Previously Presented) The method of claim 40, wherein the real world player geographic location is determined during a login process.

48. (Previously Presented) The method of claim 40, wherein the real world player geographic location is periodically determined during gameplay.

49. (Previously Presented) The method of claim 40, further comprising causing the first weather condition to be shown during virtual gameplay.

REMARKS

I. Status of Claims

Claims 30-49 are hereby presented for examination.

II. Correspondence and Fees

Entry of this Response is respectfully requested. No new matter is presented. Any fees are to be charged to Deposit Account No. 506044. Authorization is hereby given to charge Deposit Account No. 506044 for any future underpayment, or to credit any overpayments.

Please address all correspondence to the correspondent address for Customer No. 112301 to Practice Group Administrator, White and Williams, LLP, 1650 Market Street, One Liberty Place, Suite 1800, Philadelphia, PA 19103. Telephone calls should be made to Frank A. Bruno at (215) 864-6225.

Dated: August 22, 2025

Respectfully Submitted,

By: /Frank A. Bruno/
Frank A. Bruno
Registration No. 46,583
White and Williams LLP
White and Williams Customer No. 112301
Direct Tel. No.: 215-864-6225



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ISSUE FEE TRANSMITTAL FORM

APPLICATION #	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET #
19176364	04/11/2025	Yousuf Chowdhary	0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Nonprovisional Application under 35 USC 111(a)	DATE DUE	09/16/2025
CONFIRMATION #	4736	ISSUE FEE DUE	\$ 516
EXAMINER	THOMAS HENRY	PUBLICATION DUE	\$ 0
GROUP ART UNIT	3715	TOTAL FEES DUE	\$516
CLASS - SUBCLASS	463/042000	PREV. PAID FEE	\$ 0
ENTITY STATUS	Small		

1. CHANGE OF CORRESPONDENCE ADDRESS AND/OR INDICATION OF FEE ADDRESS (37 CFR 1.33 & 1.363)

Correspondence Address

CURRENT ADDRESS

Maintenance Fee Address

CURRENT ADDRESS

☐

Change of correspondence address requested, system generated AIA/122-PC form attached

☐

Fee address indication requested, system generated SB/47-PC form attached

2. ENTITY STATUS

Change in Entity Status

NEW STATUS

3. THE FOLLOWING FEES ARE SUBMITTED

☒

Issue Fee

☒

Publication Fee

4. FEE AUTHORIZATION

☐

I authorize USPTO to apply my previously paid issue fee to the current fees due

☐

The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number:

☒

If in addition to the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number: 506044

5. FIRM AND/OR ATTORNEY NAMES TO BE PRINTED

NOTE: If no name is listed, no name will be printed

For printing on the patent front page, list to be displayed as entered

White and Williams LLP

6. ASSIGNEE NAME(S) AND RESIDENCE DATA TO BE PRINTED

NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via Patent Center on the date indicated below.

Signature	Name	Registration #	Date
/Frank Bruno/	Frank Bruno	46583	09/12/2025



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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
09/12/2025 11:29:27 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	72271077	FILING DATE	04/11/2025
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
web85b.pdf	3	Issue Fee Payment (PTO-85B)	58 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
web85b.pdf	FC6329D4EDA969F87EEE48A65E6B7EF2F9C9D01E01CEECA 4DB49D7EA4F1D9519E7B868B4AF3EA435F7EED8B6E96654F BA03FA3461A70959F678CE2CE94F48A1B

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
09/12/2025 11:29:27 AM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 72271077

AUTHORIZED BY -

CUSTOMER # 112211

FILING DATE 04/11/2025

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Yousuf Chowdhary

Payment Information

PAYMENT METHOD
DA / 506044

PAYMENT TRANSACTION ID
E20259BB29447324

PAYMENT AUTHORIZED BY
Frank Bruno

PRE-AUTHORIZED ACCOUNT
506044

PRE-AUTHORIZED CATEGORY
37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2501	UTILITY ISSUE FEE	516.00	1	516.00
TOTAL AMOUNT:				\$516.00

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement

Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number		19176364
	Filing Date		04/11/2025
	First Named Inventor	Brunette	
	Art Unit	3715	
	Examiner Name	Thomas Henry	
	Attorney Docket Number	0036177-00043	

U.S. PATENTS							Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Inventor of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	1	7073129	B1	2006-07-04	ROBARTS et al.		
	2	8292743	B1	2012-10-23	ETTER et al.		
	3	8342929	B2	2010-10-28	BRIGGS et al.		
	4	8425291	B2	2012-01-11	COUNTS		
	5	8473192	B2	2013-06-25	HANNAH et al.		
	6	8550909	B2	2013-10-08	GERSON et al.		
	7	8555346	B2	2013-10-08	BOKOR et al.		
	8	8633014	B2	2014-03-04	XU et al.		

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9	8639725	B1	2014-01-28	UDESHI et al.	
10	8727887	B2	2014-05-20	MAHAJAN et al.	
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12	9077771	B2	2015-07-07	KRUGLICK	
13	9170114	B2	2015-10-27	UHLIR et al.	
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16	9555334	B2	2017-01-31	BERNARD et al.	
17	9968099	B1	2015-03-03	HANKE et al.	

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2	20060281553	A1	2006-12-14	HAWKINS et al.	
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4	20080161113	A1	2007-07-03	HANSON et al.	
5	20090149248	A1	2009-06-11	BUSEY et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	1020090000664	KR	A	2009-01-08	KIM HA-KYUN		☒
	2	101380517	CN	A	2009-03-11	Individual		☒
	3	201039161	TW	A	2010-11-01	YUAN		☒

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Name	Thomas Henry
Attorney Docket Number	0036177-00043

NON-PATENT LITERATURE DOCUMENTS

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Complaint, ImagineAR, Inc. and Imagine AR, Inc. v. Niantic, Inc., 1-24-cv- 01252 (D. Del.)	☐
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	3	BENFORD et al., "Life on the Edge: Supporting Collaboration in Location-Based Experiences," April 2-7, 2005	☐
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	9	Declaration of Mr. Stacy Friedman, dated July 12, 2025, 305 pp.	☐

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12	Dungeons & Dragons, Monster Manual Deluxe Edition," Wizards of the Coast, 4th Edition, June 2008	☐
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29	PEITZ et al., "Insectopia - Exploring Pervasive Games through Technology already Pervasively Available," June 13-15, 2007	☐
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Attorney Docket Number	0036177-00043

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	Attorney Docket Number	0036177-00043	

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered and whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	19176364
Filing Date	04/11/2025
First Named Inventor	Brunette
Art Unit	3715
Examiner Name	Thomas Henry
Attorney Docket Number	0036177-00043

TIMING STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- ☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

- ☐ See attached timing statement under 37 CFR 1.97(e).
- ☐ A timing statement under 37 CFR 1.97(e) is not submitted herewith.

TIMING FEE

- ☐ The fee set forth in 37 CFR 1.17(p) has been submitted herewith.

COPIES

- ☐ An identification of an earlier application pursuant to 37 CFR 1.98(d)(1) is attached.

SIZE FEE ASSERTION

Please see 37 CFR 1.17(v) and the [IDS Auto-Load Instructions](#) for completing this form to make the appropriate selection of an assertion under 37 CFR 1.98. For the information disclosure statement (IDS) submitted herewith, the applicant or patent owner certifies the following with respect to the cumulative number of applicant-provided or patent-owner provided items of information submitted to date including those in the accompanying IDS (select only one):

- ☐ No IDS size fee is required under 37 CFR 1.17(v) at this time.
- ☐ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(1).
- ☒ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(2).
- ☐ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(3).

SIGNATURE

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Frank Bruno/	Date (YYYY-MM-DD)	2025-09-24
Name/Print	Frank Bruno	Registration Number	46,583

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number	19176364
Filing Date	04/11/2025
First Named Inventor	Brunette
Art Unit	3715
Examiner Name	Thomas Henry
Attorney Docket Number	0036177-00043

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c)(2)

APPLICATION #
19176364

ATTORNEY DOCKET #
0036177-00043

FILING DATE
04/11/2025

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

CONFIRMATION # 4736

FILING DATE 04/11/2025

ART UNIT 3715

FIRST NAMED INVENTOR Yousuf Chowdhary

EXAMINER THOMAS HENRY

An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary.

APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c).

A grantable petition requires the following items:

- (1) Petition fee; and
- (2) One of the following reasons: A grantable petition requires the following items: (a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable;
- (b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or
- (c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).

Reason for withdrawal

Consideration of a request for continued examination (Quick Path Information Disclosure Statement) - RCE request,

submission, and fee are attached

Applicant claims the following entity status
Small

Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:
An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application

Signature	Name	Registration #
/Frank Bruno/	Frank Bruno	46583

CERTIFICATION AND REQUEST FOR CONSIDERATION OF AN INFORMATION DISCLOSURE STATEMENT FILED AFTER PAYMENT OF THE ISSUE FEE UNDER THE QPIDS PROGRAM

Non-Provisional Application Number: **19176364**

Filing Date: **April 11, 2025**

First Named Inventor: **Jeffrey Brunette**

Title of Invention:
SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

THE UNDERSIGNED HEREBY CERTIFIES AND REQUESTS THE FOLLOWING FOR THE ABOVE- IDENTIFIED APPLICATION.

1. Consideration is requested of the information disclosure statement (IDS) submitted herewith, which is being filed after payment of the issue fee.
2. Check one of the following boxes:
 - ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS. See 37 CFR 1.97(e)(1).
 - ☒ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the IDS. See 37 CFR 1.97(e)(2).
 - ☐ See attached certification statement in compliance with 37 CFR 1.97(e).
3. The IDS size fee written assertion under 37 CFR 1.98 is submitted herewith as (i) part of the PTO/SB/08 – Patent Center IDS, or equivalent, or (ii) an additional IDS paper, such as the form PTO/SB/08c or equivalent.
4. If an IDS size fee is due, the Director is authorized to charge the IDS size fee under 37 CFR 1.17(v) in the amount of \$ 500 for the IDS submitted herewith to deposit account 506044. (Do not complete if this information is being provided on the form PTO/SB/08c, or equivalent).
WARNING: Failure to include the assertion and/or an authorization to charge to a deposit account the applicable IDS size fee will result in automatic entry of the RCE and the IDS will be placed in the file but not considered.
5. The Director is authorized to charge the IDS timing fee under 37 CFR 1.17(p) to deposit account 506044.
6. A Petition to Withdraw from Issue After Payment of the Issue Fee (37 CFR 1.313(c)(2)), including the petition fee set forth in 37 CFR 1.17(h), is submitted herewith as a **Web-based ePetition**.
WARNING: Failure to use the Web-based ePetition interface will result in automatic entry of the RCE.
7. A request for continued examination (RCE) under 37 CFR 1.114 and the RCE fee under 37 CFR 1.17(e) are submitted herewith.
8. The RCE for a compliant QPIDS will be treated as a "conditional" RCE. In the event the examiner determines that any item of information contained in the IDS necessitates the reopening of prosecution in the application, the undersigned understands that (i) the RCE will be processed and treated as an RCE under 37 CFR 1.114 and therefore (ii) the IDS fee under 37 CFR 1.17(p) will be returned in accordance with 37 CFR 1.97(b)(4). In the event that no item of information in the IDS necessitates reopening prosecution, the undersigned understands that the RCE will not be processed and the RCE fee under 37 CFR 1.17(e) will be returned.
9. This certification and request is being filed as a **Web-based ePetition** and is not accompanied by an amendment to the application. Inclusion of an amendment will result in automatic entry of the RCE.

Signature **/Frank Bruno/**

Date **09/24/2025**

Name (Print/Typed) **Frank Bruno**

Practitioner
Registration Number **46,583**
(If applicable)

Note: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. The party signing this form must be a listed fee payer for the above-identified deposit account in the USPTO's online fee payment management tool. Submit multiple forms if more than one signature is required and complete below.*

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number		19176364
	Filing Date		04/11/2025
	First Named Inventor	Brunette	
	Art Unit	3715	
	Examiner Name	Thomas Henry	
	Attorney Docket Number	0036177-00043	

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	2	8292743	B1	2012-10-23	ETTER et al.		
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Application Number	19176364
Filing Date	04/11/2025
First Named Inventor	Brunette
Art Unit	3715
Examiner Name	Thomas Henry
Attorney Docket Number	0036177-00043

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Name/Print	Frank Bruno	Registration Number	46,583

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Examiner Name	Thomas Henry
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[51] Int. Cl.
A63F 13/00 (2006.01)



[12] 发明专利申请公布说明书

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[72] 发明人 王治国

权利要求书 1 页 说明书 1 页

[54] 发明名称

一种网络游戏系统

[57] 摘要

本发明公开了一种网络游戏系统，此游戏为 RPG 游戏，应用真实电子地图作为游戏的场景，玩家在游戏活动是在真实电子地图之上。玩家在游戏中所扮演的动画人物可以在真实电子地图中游戏动作，并且寻找特定地区的人与之交流，使游戏与现实生活紧密联系。提高了游戏的真实性和可玩性。

1. 一种网络游戏系统特征是玩家在游戏中所扮演的人物动画在以真实地图为基础的游戏场景中活动。
2. 根据权利1所述的网络游戏系统特征是, 玩家所扮演的扮演的人物动画能够识别电子地图上图元类型, 针对地图的不同图元类别作出不同反应。
3. 根据权利1所述的网络游戏系统其特征是, 玩家所扮演的人物动画能够获取地图的经纬度。

一种网络游戏系统

技术领域:

本发明涉及一种 RPG 网络游戏系统, 为用户提供一种真实的游戏体验。

技术背景:

现有的 RPG 网络游戏都为虚拟游戏, 游戏场景由开发商凭空创造, 游戏给人的真实感觉不足。本游戏系统应用真实电子地图作为游戏场景, 可以给人以身临其境的游戏感觉。

发明内容:

本发明的游戏系统应用真实电子地图为作为游戏场景。现有电子地图技术已经非常成熟, 经过矢量化处理的电子地图含有经纬度信息, 并且可以对地图上的建筑, 道路等图元进行标识。玩家所扮演的游戏动画人物在游戏中可以获取在当前位置的经纬度信息, 玩家可以选择自己在游戏场景中的地点, 并且通过地图的漫游来寻找不同位置的人交流, 玩家所扮演的游戏动画人物在真实电子地图制作的游戏场景中移动, 动作, 互相交流。玩家获取地图标注的图元类型, 并且根据图元的类型做出相应动作行为。



(19)中華民國智慧財產局

(12)發明說明書公開本 (11)公開編號：TW 201039161 A1

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(51)Int. Cl. : *G06F17/40 (2006.01)* *G06F17/50 (2006.01)*

(71)申請人：鴻海精密工業股份有限公司 (中華民國) HON HAI PRECISION INDUSTRY CO.,
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申請實體審查：無 申請專利範圍項數：7 項 圖式數：2 共 12 頁

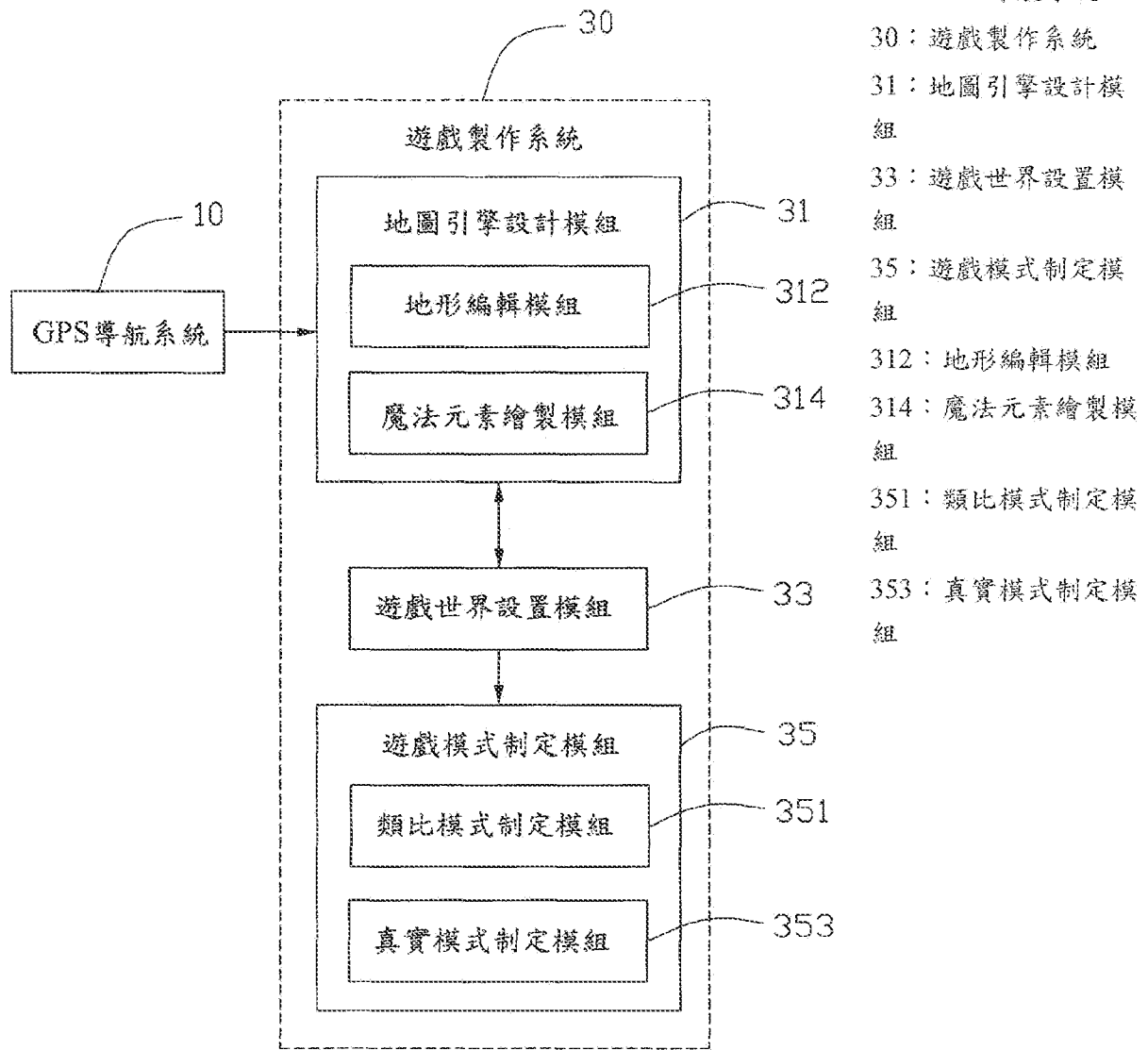
(54)名稱

遊戲製作系統

SYSTEM FOR MAKING GAME

(57)摘要

一種遊戲製作系統，包括有地圖引擎設計模組，所述遊戲製作系統可與 GPS 導航系統通訊連接，所述 GPS 導航系統具有真實之地圖，所述地圖引擎設計模組可根據所述 GPS 導航系統提供之真實地圖繪製遊戲地圖。



六、發明說明：

【發明所屬之技術領域】

本發明涉及一種遊戲製作系統，尤其涉及一種藉由 GPS 導航系統將真實地圖作為遊戲地圖之遊戲製作系統。

【先前技術】

隨著電子遊戲和電子競技種類之不斷豐富以及網際網路遊戲功能之日益強大，遊戲用戶群也以極快之速度增長，電子遊戲和藝術一樣源于生活又高於生活，它和現實密不可分。眾所周知，GPS 是一個導航系統，該系統擁有一個龐大、真實之地圖、真實之時間以及各種興趣點，而電子遊戲用到之元素也有地圖和事件點，這些都跟 GPS 之地圖和興趣點類似。

【發明內容】

鑒於以上內容，有必要提供一種藉由 GPS 導航系統將真實地圖作為遊戲元素之遊戲製作系統。

一種遊戲製作系統，包括有地圖引擎設計模組，所述遊戲製作系統可與 GPS 導航系統通訊連接，所述 GPS 導航系統具有真實之地圖，所述地圖引擎設計模組可根據所述 GPS 導航系統提供之真實地圖繪製遊戲地圖。

本發明提供之遊戲製作系統是藉由 GPS 導航系統之現有技術將遊戲與真實世界聯繫在一起，使遊戲有一個更真實之遊戲背景，讓遊戲玩家有一個更全新之體驗。

【實施方式】

請參閱圖 1，本發明遊戲製作系統 30 與一 GPS 導航系統 10 通訊連接。所述 GPS 導航系統 10 可提供真實之地圖及各種興趣點，所述興趣點包括加油站、廣場、長城、購物中心、美食中心、公園等。

所述遊戲製作系統 30 包括一地圖引擎設計模組 31、一遊戲世界設置模組 33 及一遊戲模式制定模組 35。所述地圖引擎設計模組 31、所述遊戲世界設置模組 33 及所述遊戲模式制定模組 35 之間可進行通訊。所述地圖引擎設計模組 31 包括一地形編輯模組 312 及一魔法元素繪製模組 314。所述地形編輯模組 312 可根據所述 GPS 導航系統 10 提供之真實的地圖資訊繪製出遊戲地圖，所述魔法元素繪製模組 314 可根據所述地形編輯模組 312 繪製之地圖增加魔法元素，所述魔法元素包括馬路、小草、樹木、彩雲、泛光效果等等。所述遊戲世界設置模組 33 可在所述地形編輯模組 312 繪製之遊戲地圖上確定是否需要增加魔法元素，並將資訊傳遞給所述地圖引擎設計模組 31。

所述遊戲模式制定模組 35 包括一類比模式制定模組 351 及一真實模式制定模組 353。所述類比模式制定模組 351 可根據所述地形編輯模組 312 繪製的遊戲地圖及各種興趣點制定類比遊戲模式，在所述類比遊戲模式之環境下，遊戲玩家可單人作戰。所述真實模式制定模組 353 可根據所述地形編輯模組 312 繪製的遊戲地圖及各種興趣點制定多個遊戲玩家共同參與遊戲之真實遊戲模式。所述真實遊戲模式可聯機作戰，且遊戲玩家之地理位置不可

更改。

請參閱圖 2，本發明遊戲製作系統 30 製作遊戲之實施流程，包括以下步驟：

S10：所述地圖引擎設計模組 31 之地形編輯模組 312 根據所述 GPS 導航系統 10 之供應商提供的地圖資訊繪製遊戲當中之地圖，比如：只用主要公路作為遊戲地圖路徑。若所述 GPS 導航系統 10 可獲取公路高度，則遊戲地圖之地形可直接生成，若所述 GPS 導航系統 10 不能獲取公路高度，則所述地圖引擎設計模組 31 可根據已有之地圖資訊繪製一個大概之遊戲地圖。

S20：所述遊戲世界設置模組 33 確定遊戲中之地圖是否需要增加魔法元素，“是”，進行步驟 S30；“否”，進行步驟 S40。

S30：若所述遊戲世界設置模組 33 確定需要增加魔法元素，則所述遊戲世界設置模組 33 將資訊傳遞給所述地圖引擎設計模組 31 之魔法元素繪製模組 314，所述魔法元素繪製模組 314 可在不改變地圖和各種興趣點名字之情況下設置不同種類之魔法元素，如：路邊設置護欄、小草或樹木，景區出現彩雲，水池出現魔法泛光效果等等。

S40：所述遊戲模式制定模組 35 確定是否制定真實之遊戲模式。

S50：若所述遊戲模式制定模組 35 確定“否”，則所述遊戲模式制定模組 35 之類比模式制定模組 351 制定類比的遊戲模式。

S60：若所述遊戲模式制定模組 35 確定“是”，則所述遊戲

模式制定模組 35 之真實模式制定模組 351 制定真實的遊戲模式。

綜上所述，本發明遊戲製作系統可應用於多種遊戲當中。如：
 賽車遊戲：在一個真實之城市裏賽車，根據遊戲玩家對城市路段之熟悉狀況取勝，並可在真實之遊戲模式下跟其他遊戲玩家一起比賽。又如：大家來找茬遊戲：伺服器根據不同版本之地圖之資訊變化，生成兩個對照地圖，遊戲玩家可在玩遊戲之同時瞭解城市路況之變化。再如：大富翁遊戲：只需一個環城公路就可作地圖了，根據所述 GPS 導航系統 10 內之不同之興趣點觸發不同之事件。這樣，不僅提高了遊戲玩家之遊戲興趣，也讓遊戲玩家在玩遊戲之同時熟悉了城市地圖。

【圖式簡單說明】

圖 1 是本發明遊戲製作系統與 GPS 導航系統之框圖。

圖 2 是本發明遊戲製作系統製作遊戲之流程圖。

【主要元件符號說明】

GPS 導航系統	10	遊戲製作系統	30
地圖引擎設計模組	31	地形編輯模組	312
魔法元素繪製模組	314	遊戲世界設置模組	33
遊戲模式制定模組	35	類比模式制定模組	351
真實模式制定模組	353		

發明專利說明書

(本說明書格式、順序，請勿任意更動，※記號部分請勿填寫)

※ 申請案號： 98/12968

※ 申請日： 98-06-17 ※IPC 分類： G06F17/40
G06F17/50

一、發明名稱：(中文/英文)

(中文)遊戲製作系統

(英文) System for Making Game

二、中文發明摘要：

一種遊戲製作系統，包括有地圖引擎設計模組，所述遊戲製作系統可與 GPS 導航系統通訊連接，所述 GPS 導航系統具有真實之地圖，所述地圖引擎設計模組可根據所述 GPS 導航系統提供之真實地圖繪製遊戲地圖。

三、英文發明摘要：

A system for making a game includes a map engine designing module. The system is capable of connecting with a GPS. The GPS has a real map. The map engine designing module can plot a game map depending on the real map of the GPS.

七、申請專利範圍：

1. 一種遊戲製作系統，包括有地圖引擎設計模組，所述遊戲製作系統可與 GPS 導航系統通訊連接，所述 GPS 導航系統具有真實之地圖，所述地圖引擎設計模組可根據所述 GPS 導航系統提供之真實地圖繪製遊戲地圖。
2. 如申請專利範圍第 1 項所述之遊戲製作系統，其中所述地圖引擎設計模組包括一地形編輯模組及一魔法元素繪製模組，所述遊戲地圖由所述地形編輯模組繪製，所述魔法元素繪製模組可為所述地形編輯模組繪製之遊戲地圖增加魔法元素。
3. 如申請專利範圍第 1 項所述之遊戲製作系統，其中所述遊戲製作系統還包括一可確定是否需要給所述遊戲地圖增加魔法元素之遊戲世界設置模組。
4. 如申請專利範圍第 1 項所述之遊戲製作系統，其中所述遊戲製作系統還包括一可制定遊戲模式之遊戲模式制定模組。
5. 如申請專利範圍第 4 項所述之遊戲製作系統，其中所述遊戲模式制定模組包括一類比模式制定模組及一真實模式制定模組，所述類比模式制定模組可制定類比遊戲模式，所述真實模式制定模組可制定真實遊戲模式。
6. 如申請專利範圍第 5 項所述之遊戲製作系統，其中所述類比遊戲模式是單人作戰的遊戲模式。
7. 如申請專利範圍第 5 項所述之遊戲製作系統，其中所述真實遊戲模式是多人聯機作戰的遊戲模式。

八、圖式：



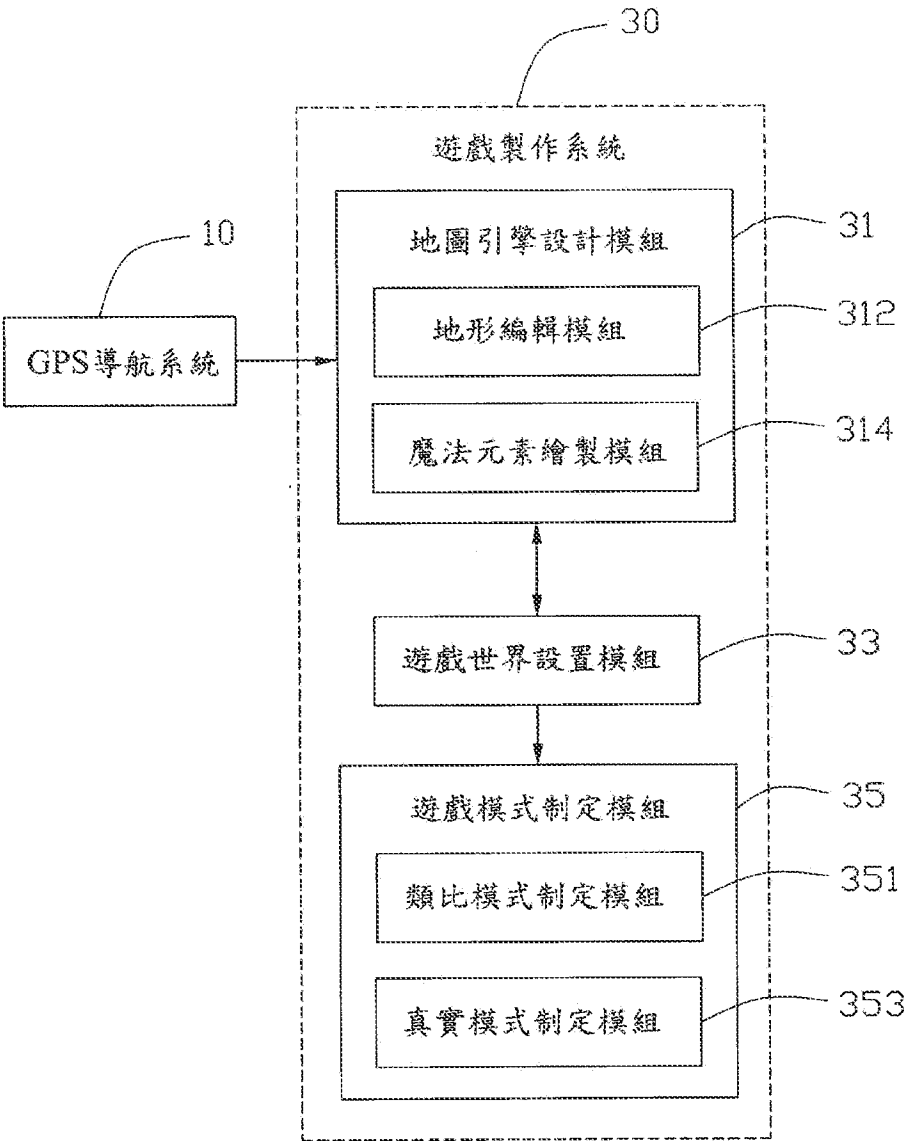


圖 1

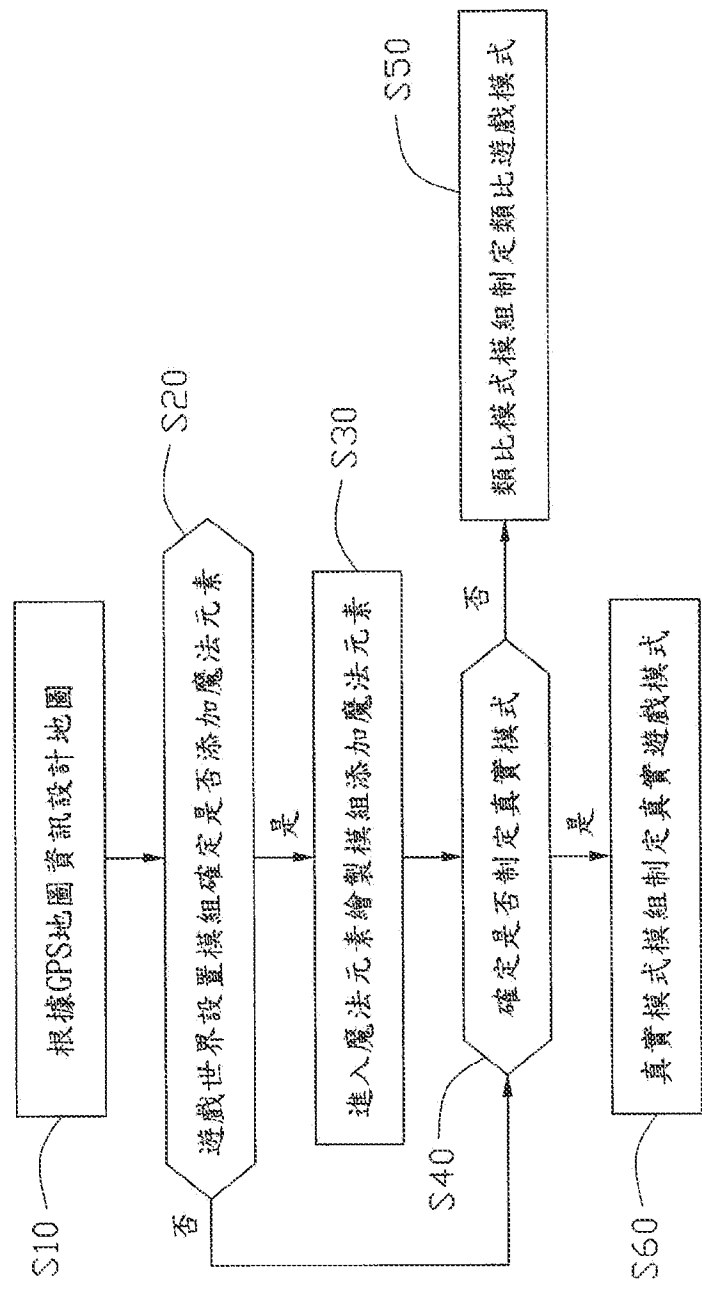


圖 2

四、指定代表圖：

(一)本案指定代表圖為：第（ 1 ）圖。

(二)本代表圖之元件符號簡單說明：

GPS 導航系統	10	遊戲製作系統	30
地圖引擎設計模組	31	地形編輯模組	312
魔法元素繪製模組	314	遊戲世界設置模組	33
遊戲模式制定模組	35	類比模式制定模組	351
真實模式制定模組	353		

五、本案若有化學式時，請揭示最能顯示發明特徵之化學式：



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천성진

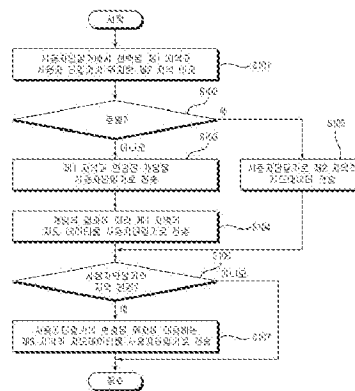
전체 청구항 수 : 총 18 항

(54) 위치정보를 제공하는 방법 및 시스템 그리고 위치정보를 이용한 게임 제공 방법 및 시스템

(57) 요약

본 발명은 위치정보를 제공하는 방법 및 시스템 그리고 위치정보를 이용한 게임 제공 방법 및 시스템에 관한 것이다. 본 발명에 따른 위치정보를 제공하는 방법은, 사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교하는 단계, 상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우, 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송하는 단계 및 상기 게임의 결과에 따라 상기 제1 지역의 적도데이터를 상기 사용자단말기로 전송하는 단계를 포함한다.

도면도 - 도1



특허청구의 범위

청구항 1

위치정보를 제공하는 방법에 있어서,

사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교하는 단계;

상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우, 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송하는 단계; 및

상기 게임의 결과에 따라 상기 제1 지역의 지도데이터를 상기 사용자단말기로 전송하는 단계

를 포함하는 위치정보 제공 방법.

청구항 2

제1항에 있어서,

상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우, 상기 사용자단말기로 상기 제2 지역의 지도데이터를 전송하는 단계

를 더 포함하는 위치정보 제공 방법.

청구항 3

제1항에 있어서,

상기 사용자단말기의 지역이 변경되는 경우, 상기 사용자단말기의 변경된 위치에 대응하는 제3 지역의 지도데이터를 상기 사용자단말기로 전송하는 단계

를 더 포함하는 위치정보 제공 방법.

청구항 4

사용자단말기의 위치에 따른 게임 제공 방법에 있어서,

사용자로부터 지역별로 입력된 설정정보를 저장 및 유지하는 단계;

상기 사용자단말기의 현재위치를 이용하여 단말기 지역을 확인하는 단계; 및

상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하는 단계

를 포함하는 게임 제공 방법.

청구항 5

제4항에 있어서,

상기 게임은 캐릭터 육성 게임을 포함하고,

상기 설정정보는 상기 캐릭터 육성 게임이 포함하는 복수의 캐릭터 중 임의의 캐릭터와 상기 지역을 서로 매핑하기 위한 정보를 포함하는 게임 제공 방법.

청구항 6

제5항에 있어서,

상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하는 상기 단계는,

상기 설정정보에서 상기 현재 지역과 연관된 캐릭터를 확인하여 상기 캐릭터에 대한 상기 캐릭터 육성 게임을 상기 사용자에게 제공하는 게임 제공 방법.

청구항 7

게임 제공 방법에 있어서,
 실제 지도를 이용한 게임 배경을 재생하는 제1 단계;
 상기 게임 배경의 시작거점에 복수의 사용자 각각에 대응하는 복수의 캐릭터를 재생하는 제2 단계;
 임의의 사용자에게 대응하는 캐릭터를 상기 실제 지도가 포함하는 복수의 거점간에 이동시키는 제3 단계; 및
 상기 캐릭터가 정지한 거점에 따라 기설정된 이벤트를 처리하는 제4 단계
 를 포함하는 게임 제공 방법.

청구항 8

제7항에 있어서,
 상기 복수의 사용자 모두에 대해 순서대로 상기 제3 단계 및 상기 제4 단계를 반복 수행하는 제5 단계
 를 더 포함하는 게임 제공 방법.

청구항 9

제7항에 있어서,
 상기 제3 단계는,
 기설정된 범위의 랜덤 수만큼 상기 캐릭터를 상기 복수의 거점간에 이동시키는 게임 제공 방법.

청구항 10

제7항에 있어서,
 상기 복수의 거점은 상기 실제 지도에 해당하는 실제 지역의 축제에 대한 정보를 포함하고,
 상기 제4 단계는,
 상기 거점에 해당하는 상기 축제가 상기 사용자 또는 다른 사용자의 캐릭터에게 귀속되었는지 확인하는 단계;
 상기 축제가 귀속되지 않은 것으로 확인된 경우, 상기 사용자에게 상기 캐릭터가 정지한 거점의 상기 축제에 대한 구매 여부 선택 필드를 제공하는 단계; 및
 상기 구매 여부 선택 필드를 통해 상기 축제가 상기 사용자에게 구매된 경우, 상기 축제를 상기 캐릭터에 귀속시키는 단계
 를 포함하는 게임 제공 방법.

청구항 11

제10항에 있어서,
 상기 제4 단계는,
 상기 축제가 상기 다른 사용자의 캐릭터에게 귀속된 경우, 상기 사용자의 제1 게임머니에서 상기 축제에 대응하는 제2 게임머니만큼을 제외하는 단계; 및
 상기 제2 게임머니를 상기 축제를 귀속한 캐릭터의 사용자에게 할당하는 단계
 를 더 포함하는 게임 제공 방법.

청구항 12

제10항에 있어서,
 상기 제4 단계는,
 상기 실제 지역이 실제 축제 기간인 경우, 상기 실제 지역의 축제와 연관된 상품 판매 페이지로의 연결링크를 상기 사용자에게 제공하는 단계

를 더 포함하는 게임 제공 방법.

청구항 13

제1항 내지 제12항 중 어느 한 항의 방법을 실행하기 위한 프로그램이 기록되어 있는 것을 특징으로 하는 컴퓨터에서 판독 가능한 기록 매체.

청구항 14

위치정보 제공 시스템에 있어서,

사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교하는 지역 비교부;

상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우, 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송하는 게임 전송부; 및

상기 게임의 결과에 따라 상기 제1 지역의 지도데이터를 상기 사용자단말기로 전송하는 제1 지도데이터 전송부

상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우, 상기 사용자단말기로 상기 제2 지역의 지도데이터를 전송하는 제2 지도데이터 전송부

상기 사용자단말기의 지역이 변경되는 경우, 상기 사용자단말기의 변경된 위치에 대응하는 제3 지역의 지도데이터를 상기 사용자단말기로 전송하는 제3 지도데이터 전송부

를 포함하는 위치정보 제공 시스템.

청구항 15

사용자단말기의 위치에 따른 게임 제공 시스템에 있어서,

사용자로부터 지역별로 입력된 설정정보를 저장 및 유지하는 설정정보 유지부;

상기 사용자단말기의 현재위치를 이용하여 단말기 지역을 확인하는 단말기 지역 확인부; 및

상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하는 게임 제공부

를 포함하는 게임 제공 시스템.

청구항 16

제15항에 있어서,

상기 게임은 캐릭터 육성 게임을 포함하고,

상기 설정정보는 상기 캐릭터 육성 게임이 포함하는 복수의 캐릭터 중 임의의 캐릭터와 상기 지역을 서로 매핑하기 위한 정보를 포함하고,

상기 게임 제공부는,

상기 설정정보에서 상기 현재 지역과 연관된 캐릭터를 확인하여 상기 캐릭터에 대한 상기 캐릭터 육성 게임을 상기 사용자에게 제공하는 게임 제공 시스템.

청구항 17

게임 제공 시스템에 있어서,

실제 지도를 이용한 게임 배경을 재생하는 게임 배경 재생부;

상기 게임 배경의 시작거점에 복수의 사용자 각각에 대응하는 복수의 캐릭터를 재생하는 캐릭터 재생부;

임의의 사용자에게 대응하는 캐릭터를 상기 실제 지도가 포함하는 복수의 거점간에 이동시키는 캐릭터 이동부;

상기 캐릭터가 정지한 거점에 따라 기설정된 이벤트를 처리하는 이벤트 처리부; 및

상기 복수의 사용자 모두에 대해 순서대로 상기 캐릭터 이동부 및 상기 이벤트 처리부를 반복 수행시키는 반복부

를 포함하는 게임 제공 시스템.

청구항 18

제17항에 있어서,

상기 복수의 거점은 상기 실제 지도에 해당하는 실제 지역의 축제에 대한 정보를 포함하고,

상기 이벤트 처리부는,

상기 거점에 해당하는 상기 축제가 상기 사용자 또는 다른 사용자의 캐릭터에게 귀속되었는지 확인하는 축제 귀속 확인부;

상기 축제가 귀속되지 않은 것으로 확인된 경우, 상기 사용자에게 상기 캐릭터가 정지한 거점의 상기 축제에 대한 구매 여부 선택 필드를 제공하는 구매 여부 선택 필드 제공부;

상기 구매 여부 선택 필드를 통해 상기 축제가 상기 사용자에게 구매된 경우, 상기 축제를 상기 캐릭터에 귀속시키는 축제 귀속부;

상기 축제가 상기 다른 사용자의 캐릭터에게 귀속된 경우, 상기 사용자의 제1 게임머니에서 상기 축제에 대응하는 제2 게임머니만큼을 제외하는 게임머니 제외부;

상기 제2 게임머니를 상기 축제를 귀속한 캐릭터의 사용자에게 할당하는 단계; 및

상기 실제 지역이 실제 축제 기간인 경우, 상기 실제 지역의 축제와 연관된 상품 판매 페이지로의 연결링크를 상기 사용자에게 제공하는 연결링크 제공부

를 포함하는 게임 제공 시스템.

발명서

발명의 상세한 설명

발명의 목적

발명이 속하는 기술 및 그 분야의 종래기술

- <16> 본 발명은 위치정보를 제공하는 방법 및 시스템 그리고 위치정보를 이용한 게임 제공 방법 및 시스템에 관한 것으로, 더욱 자세하게는 단순 위치정보의 제공이 아닌 재미요소를 강화하고, 다양한 게임을 통해 실제 지도를 획득하기 위한 위치정보 제공 방법 및 시스템에 관한 것이다.
- <17> 인터넷 및 이동통신 기술 및 서비스의 발달과 휴대폰, PDA 등 이동통신단말기의 진화에 따라 위치기반 서비스(LBS: Location-Based Service)가 인터넷을 통해 가장 성장성이 높은 새로운 서비스 분야로 자리잡고 있다. 위치기반 서비스란 이동통신단말기를 이용하여 사람이나 사물의 위치를 정확하게 파악하는 시스템 및 측정된 위치와 관련된 다양한 부가정보 서비스를 제공하기 위한 기술로서, 이동통신망 기술, 인터넷기술, 위치추적 기술 등의 결합으로 이루어져 다양한 분야에 응용이 가능한 기술이다.
- <18> 현재 이러한 위치기반 서비스는 개인정보 서비스 중심에서 다양한 형태의 부가 서비스로 확대되고 있어, 점차 국가의 전반적인 인프라로 확대될 것으로 전망이 되며 이동통신 사업자뿐만 아니라 단말기 제조사, 어플리케이션 개발사, 콘텐츠 제작 및 프로바이더 등 다양한 형태의 사업자에게 새로운 사업 기회와 매출을 제공하기 때문에 위치기반 서비스 관련 시장은 폭발적으로 성장할 것으로 예상된다.
- <19> 이와 같이 일반인들의 생활 속에 점점 깊게 자리잡아 가고 있는 위치기반 서비스는 이동통신 사업자의 GPS(Global Positioning System) 위성을 이용한 모바일 위치 제공 서비스를 통해 사용자 위치 조회 서비스, 친구 찾기 서비스 및 대중교통 검색 서비스를 제공하고 있고, 주변지역의 위치정보 또는 특정지역의 위치정보 역시 제공하고 있다. 또한, 단순히 무선 네트워크에서만 아니라 유선 네트워크에서도 IP 등을 이용한 위치기반 서비스가 이용되고 있다.
- <20> 그러나 이와 같은 위치기반 서비스는 단순한 위치정보만을 제공하는 것으로 사용자의 관심을 유발시키고, 부가적으로 위치기반 서비스를 이용한 부가적인 효과를 향상시켜 이러한 위치기반 서비스의 수익성을 증대시킬 수

있는 방법 및 시스템이 존재하지 않는 실정이다.

발명이 이루고자 하는 기술적 과제

- <21> 본 발명은 상기와 같은 종래기술의 문제점을 해결하기 위해, 위치정보를 제공하는 방법 및 시스템 그리고 위치 정보를 이용한 게임 제공 방법 및 시스템에 관한 새로운 기술을 제안한다.
- <22> 본 발명은 실제 사용자단말기의 위치에 해당하는 지역의 지도를 획득할 뿐만 아니라 상기 사용자단말기가 위치 하지 않는 지역의 지도를 다양한 미니게임을 이용하여 획득하도록 함으로써 사용자의 관심을 유발시키고, 이를 통해 위치기반 서비스의 수익성을 증대시키는 것을 목적으로 한다.
- <23> 본 발명의 다른 목적은, 상기 미니게임으로서 또는 상기 미니게임과는 별도의 게임으로서 캐릭터 육성 게임 또는 실제 지역의 정보를 이용한 게임을 제공함으로써 사용자의 관심을 유발시키고, 수익성을 증대시키는 것이다.

발명의 구성 및 작용

- <24> 상기의 목적을 달성하고, 상술한 종래기술의 문제점을 해결하기 위하여, 본 발명의 일실시예에 따른 위치정보를 제공하는 방법은, 사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교하는 단계, 상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우, 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송하는 단계 및 상기 게임의 결과에 따라 상기 제1 지역의 지도데이터를 상기 사용자단말기로 전송하는 단계를 포함한다.
- <25> 본 발명의 일측에 따르면, 위치정보를 제공하는 상기 방법은 상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우, 상기 사용자단말기로 상기 제2 지역의 지도데이터를 전송하는 단계를 더 포함할 수 있다.
- <26> 본 발명의 다른 측면에 따르면, 상기 사용자단말기의 지역이 변경되는 경우, 상기 사용자단말기의 변경된 위치에 대응하는 제3 지역의 지도데이터를 상기 사용자단말기로 전송하는 단계를 더 포함할 수 있다.
- <27> 본 발명의 다른 실시예에 있어서, 사용자단말기의 위치에 따른 게임 제공 방법은, 사용자로부터 지역별로 입력된 설정정보를 저장 및 유지하는 단계, 상기 사용자단말기의 현재위치를 이용하여 단말기 지역을 확인하는 단계 및 상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하는 단계를 포함한다.
- <28> 본 발명의 또 다른 실시예에 따르면, 게임 제공 방법은 실제 지도를 이용한 게임 배경을 재생하는 제1 단계, 상기 게임 배경의 시작거점에 복수의 사용자 각각에 대응하는 복수의 캐릭터를 재생하는 제2 단계, 입의의 사용자에게 대응하는 캐릭터를 상기 실제 지도가 포함하는 복수의 거점간에 이동시키는 제3 단계 및 상기 캐릭터가 정지한 거점에 따라 기설정된 이벤트를 처리하는 제4 단계를 포함한다.
- <29> 이하 첨부된 도면을 참조하여 본 발명에 따른 다양한 실시예를 상세히 설명하기로 한다.
- <30> 도 1은 본 발명의 제1 실시예에 있어서, 위치정보를 제공하는 방법을 도시한 흐름도이다.
- <31> 단계(S101)에서 위치정보를 제공하는 위치정보 제공 시스템은 사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교한다. 즉, 상기 위치정보 제공 시스템은 상기 사용자단말기의 위치를 통해 상기 제2 지역을 확인하고 상기 사용자단말기를 통해 선택된 상기 제1 지역과 비교한다. 이는 상기 사용자단말기를 통해 선택된 지역에 상기 사용자단말기가 존재하는지 여부를 확인하기 위한 것이다. 이러한 선택된 상기 제1 지역은 상기 사용자단말기를 통해 수신된 지역명 등을 이용하여 확인될 수 있다.
- <32> 이때, 상기 사용자단말기의 위치는 상기 사용자단말기가 이동통신단말기인 경우 기지국에 기반하여 측정되거나 또는 상기 이동통신단말기가 포함하는 GPS 등을 이용하여 측정될 수 있다. 또한, 상기 사용자단말기가 개인 PC와 같이 유선 네트워크로 연결된 경우 상기 사용자단말기에 할당된 IP 주소를 이용하여 상기 사용자단말기의 위치를 확인할 수 있다.
- <33> 단계(S102)에서 상기 위치정보 제공 시스템은 상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우 단계(S103)를 수행하고, 상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우 단계(S105)를 수행한다. 즉, 상기 위치정보 제공 시스템은 상기 사용자단말기가 존재하는 지역이 선택되는 경우 단계(S105)를 수행하고, 상기 사용자단말기가 존재하지 않는 지역이 선택되는 경우 단계(S103)를 수행한다.
- <34> 단계(S103)에서 상기 위치정보 제공 시스템은 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송한다. 이와 같이, 단순히 지도정보만을 제공하는 것이 아니라 상기 게임을 상기 사용자단말기로 제공함으로써 사용자

의 관심을 유발하여 수익성을 증대시킬 수 있고 또는, 상기 제1 지역을 선택하기 위한 페이지 또는 상기 게임 등에 광고를 추가함으로써 광고 효과 및 광고비 등의 수익을 기대할 수 있다.

- <35> 단계(S104)에서 상기 위치정보 제공 시스템은 상기 게임의 결과에 따라 상기 제1 지역의 지도데이터를 상기 사용자단말기로 전송한다. 즉, 상기 사용자단말기가 위치하지 않은 지역에 대해서도 상기 게임을 통해 사용자의 흥미를 유발하여 위치기반 서비스의 사용율을 높이고, 궁극적으로 전국의 지도를 완성하도록 할 수 있다.
- <36> 단계(S105)에서 상기 위치정보 제공 시스템은 상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우, 상기 사용자단말기로 상기 제2 지역의 지도데이터를 전송한다. 위에서 설명한 바와 같이 상기 사용자단말기가 위치한 지역에 대해서는 상기 지역의 지도데이터를 전송함으로써 상기 사용자단말기의 사용자가 자신이 위치한 곳의 지도를 획득하도록 할 수 있다.
- <37> 단계(S106)에서 상기 위치정보 제공 시스템은 상기 사용자단말기의 지역이 변경되는지 확인하여 변경되는 경우 단계(S107)를 수행하고, 변경되지 않는 경우 종료한다.
- <38> 단계(S107)에서 상기 위치정보 제공 시스템은 상기 사용자단말기의 변경된 위치에 대응하는 제3 지역의 지도데이터를 상기 사용자단말기로 전송한다. 다시 말해, 상기 사용자단말기의 사용자가 이동함으로써 상기 사용자단말기의 지역이 변경되는 경우 상기 사용자단말기의 위치를 다시 확인하고, 상기 위치에 해당하는 지역인 상기 제3 지역을 확인함으로써 상기 제3 지역의 지도데이터를 상기 사용자단말기로 전송할 수 있다.
- <39> 자신의 실제 이동 경로에 따라 즉, 실제 자신의 위치한 구역을 중심으로 지도를 획득하는 게임의 진행이 가능하고, 자신이 위치하지 않은 지역에 대해서는 별도의 게임을 통해 지도를 획득하도록 하여 사용자의 관심을 유발할 수 있다.
- <40> 도 2는 위치정보를 제공하는 방법을 설명하기 위한 일례이다.
- <41> 도면부호(200)는 복수의 지역에 대한 개괄적인 지도가 사용자단말기에 재생된 모습을 도시하고 있다. 이때, 상기 사용자단말기의 사용자는 현재 상기 사용자단말기의 위치에 해당하는 지역(201)에 대해서 바로 지도데이터를 획득하여 이용할 수 있고, 상기 사용자단말기가 위치하지 않은 지역(202)의 지도데이터는 다양한 게임을 통해 획득할 수 있다. 여기서, 상기 다양한 게임은 지역 또는 시간별로 기선택되거나 상기 사용자에게 의해 선택될 수 있다. 또한, 상기 사용자가 다른 지역(203)으로 이동하는 경우에도 상기 사용자는 다른 지역(203)의 지도데이터를 바로 획득하여 이용할 수 있다.
- <42> 도 3은 본 발명의 제2 실시예에 있어서, 위치정보 제공 시스템의 내부 구성을 설명하기 위한 블록도이다. 여기서, 위치정보 제공 시스템(300)은 도 3에 도시된 바와 같이 지역 비교부(301), 게임 전송부(302), 제1 지도데이터 전송부(303), 제2 지도데이터 전송부(304) 및 제3 지도데이터 전송부(305)를 포함한다.
- <43> 지역 비교부(301)는 사용자단말기에서 선택된 제1 지역과 상기 사용자단말기가 위치한 제2 지역을 비교한다. 즉, 지역 비교부(301)는 상기 사용자단말기의 위치를 통해 상기 제2 지역을 확인하고, 상기 제2 지역을 상기 사용자단말기를 통해 선택된 상기 제1 지역과 서로 비교한다. 이는 상기 사용자단말기를 통해 선택된 지역에 상기 사용자단말기가 존재하는지 여부를 확인하기 위한 것이다. 이러한 선택된 상기 제1 지역은 상기 사용자단말기를 통해 수신된 지역명을 이용하여 확인될 수 있다.
- <44> 게임 전송부(302)는 상기 제1 지역 및 상기 제2 지역이 서로 동일하지 않은 경우, 상기 제1 지역과 연관된 게임을 상기 사용자단말기로 전송한다. 즉, 상기 사용자단말기가 위치하지 않은 지역이 선택된 경우, 게임 전송부(302)는 상기 사용자단말기의 사용자가 상기 제1 지역과 연관된 게임을 통해 상기 지도데이터를 획득하도록 하기 위해 상기 게임을 전송한다. 이와 같이, 단순히 지도정보만을 제공하는 것이 아니라 상기 게임을 상기 사용자단말기로 제공함으로써 사용자의 관심을 유발하여 수익성을 증대시킬 수 있고 또는, 상기 제1 지역을 선택하기 위한 페이지 또는 상기 게임 등에 광고를 추가함으로써 광고 효과 및 광고비 등의 수익을 기대할 수 있다.
- <45> 제1 지도데이터 전송부(303)는 상기 게임의 결과에 따라 상기 제1 지역의 지도데이터를 상기 사용자단말기로 전송한다. 즉, 상기 사용자단말기가 위치하지 않은 지역에 대해서도 상기 게임을 통해 사용자의 흥미를 유발하여 위치기반 서비스의 사용율을 높이고, 궁극적으로 전국의 지도를 완성하도록 할 수 있다.
- <46> 제2 지도데이터 전송부(304)는 상기 제1 지역 및 상기 제2 지역이 서로 동일한 경우, 상기 사용자단말기로 상기 제2 지역의 지도데이터를 전송한다. 위에서 설명한 바와 같이 상기 사용자단말기가 위치한 지역에 대해서는 상기 지역의 지도데이터를 전송함으로써 상기 사용자단말기의 사용자가 자신이 위치한 곳의 지도를 획득하도록 할

수 있다.

- <47> 제3 지도데이터 전송부(305)는 상기 사용자단말기의 지역이 변경되는 경우, 상기 사용자단말기의 변경된 위치에 대응하는 제3 지역의 지도데이터를 상기 사용자단말기로 전송한다. 다시 말해, 상기 사용자단말기의 사용자가 이동함으로써 상기 사용자단말기의 지역이 변경되는 경우 상기 사용자단말기의 위치를 다시 확인하고, 상기 위치에 해당하는 지역인 상기 제3 지역을 확인함으로써 상기 제3 지역의 지도데이터를 상기 사용자단말기로 전송할 수 있다.
- <48> 이와 같이 본 발명에 따른 위치정보 제공 방법 및 시스템을 이용하면, 실제 사용자단말기의 위치에 해당하는 지역의 지도를 획득할 뿐만 아니라 상기 사용자단말기가 위치하지 않는 지역의 지도를 다양한 미니게임을 이용하여 획득하도록 함으로써 사용자의 관심을 유발시키고, 이를 통해 위치기반 서비스의 수익성을 증대시킬 수 있다.
- <49> 도 4는 본 발명의 제3 실시예에 있어서, 사용자단말기의 위치에 따른 게임 제공 방법을 도시한 흐름도이다.
- <50> 단계(S401)에서 사용자단말기의 위치에 따라 게임을 제공하는 게임 제공 시스템은 사용자로부터 지역별로 입력된 설정정보를 저장 및 유지한다. 이때, 상기 게임 제공 시스템은 상기 사용자가 관심을 갖는 지역에 대해 상기 설정정보를 입력할 수 있는 페이지를 상기 사용자단말기를 통해 제공할 수 있고, 상기 페이지를 통해 입력된 설정정보를 저장하여 유지할 수 있다.
- <51> 단계(S402)에서 상기 게임 제공 시스템은 상기 사용자단말기의 현재위치를 이용하여 단말기 지역을 확인한다. 이와 같은 상기 현재위치는 상기 사용자단말기가 이동통신단말기인 경우 기지국에 기반하여 측정되거나 또는 상기 이동통신단말기가 포함하는 GPS 등을 이용하여 측정될 수 있다. 상기 현재위치가 측정되면, 상기 게임 제공 시스템은 상기 현재위치에 대응하는 상기 단말기 지역을 확인할 수 있다. 또한, 상기 사용자단말기가 개인 PC와 같이 유선 네트워크로 연결된 경우 상기 사용자단말기에 할당된 IP 주소를 이용하여 상기 현재위치를 확인할 수 있다.
- <52> 단계(S403)에서 상기 게임 제공 시스템은 상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공한다. 이때, 상기 게임은 캐릭터 육성 게임을 포함할 수 있고, 상기 설정정보는 상기 캐릭터 육성 게임이 포함하는 복수의 캐릭터 중 임의의 캐릭터와 상기 지역을 서로 매핑하기 위한 정보를 포함할 수 있다. 또한, 상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하기 위해 상기 게임 제공 시스템은 상기 설정정보에서 상기 현재 지역과 연관된 캐릭터를 확인하여 상기 캐릭터에 대한 상기 캐릭터 육성 게임을 상기 사용자에게 제공할 수 있다.
- <53> 즉, 상기 게임 제공 시스템은 상기 사용자가 설정한 복수의 지역마다 복수의 캐릭터를 설정하고, 상기 사용자단말기가 위치한 지역의 캐릭터를 육성하도록 게임을 제공할 수 있다. 이때, 지역별 상기 캐릭터는 상기 사용자단말기를 통해 입력한 상기 설정정보를 통해 확인될 수 있다.
- <54> 도 5는 사용자단말기의 위치에 따른 게임 제공 방법을 설명하기 위한 일례이다.
- <55> 도면부호(500)는 복수의 지역에 대한 개괄적인 지도가 사용자단말기에 재생된 모습을 도시하고 있다. 이때, 게임 제공 시스템은 사용자단말기를 통해 입력된 설정정보가 제1 지역(501)과 제1 캐릭터가 대응되고, 제2 지역(502)과 제2 캐릭터가 대응되는 정보를 포함하는 경우, 상기 사용자단말기가 제1 지역(501)에 존재하는 경우에는 상기 제1 캐릭터에 대한 캐릭터 육성 게임을 제공하고, 제2 지역(502)에 존재하는 경우에는 상기 제2 캐릭터에 대한 캐릭터 육성 게임을 제공할 수 있다.
- <56> 다시 말해, 사용자의 라이프 스타일에 맞는 캐릭터 육성 게임을 제공하는 것이 가능하고, 이를 통해 상기 사용자의 관심을 유발할 수 있다.
- <57> 도 6은 본 발명의 제4 실시예에 있어서, 게임 제공 시스템의 내부 구성을 설명하기 위한 블록도이다. 여기서, 게임 제공 시스템(600)은 도 6에 도시된 바와 같이 설정정보 유지부(601), 단말기 지역 확인부(602) 및 게임 제공부(603)를 포함한다.
- <58> 설정정보 유지부(601)는 사용자로부터 지역별로 입력된 설정정보를 저장 및 유지한다. 이때, 설정정보 유지부(601)는 상기 사용자가 관심을 갖는 지역에 대해 상기 설정정보를 입력할 수 있는 페이지를 상기 사용자단말기를 통해 제공할 수 있고, 상기 페이지를 통해 입력된 설정정보를 저장하여 유지할 수 있다.
- <59> 단말기 지역 확인부(602)는 상기 사용자단말기의 현재위치를 이용하여 단말기 지역을 확인한다. 이와 같은 상

기 현재위치는 상기 사용자단말기가 이동통신단말기인 경우 기지국에 기반하여 측정되거나 또는 상기 이동통신 단말기가 포함하는 GPS 등을 이용하여 측정될 수 있다. 상기 현재위치가 측정되면, 단말기 지역 확인부(602)는 상기 현재위치에 대응하는 상기 단말기 지역을 확인할 수 있다. 또한, 상기 사용자단말기가 개인 PC와 같이 유선 네트워크로 연결된 경우 상기 사용자단말기에 할당된 IP 주소를 이용하여 상기 현재위치를 확인할 수 있다.

<60> 게임 제공부(603)는 상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공한다. 이때, 상기 게임은 캐릭터 육성 게임을 포함할 수 있고, 상기 설정정보는 상기 캐릭터 육성 게임이 포함하는 복수의 캐릭터 중 임의의 캐릭터와 상기 지역을 서로 매핑하기 위한 정보를 포함할 수 있다. 또한, 상기 설정정보를 이용하여 상기 단말기 지역과 연관된 게임을 제공하기 위해 게임 제공부(603)는 상기 설정정보에서 상기 현재 지역과 연관된 캐릭터를 확인하여 상기 캐릭터에 대한 상기 캐릭터 육성 게임을 상기 사용자에게 제공할 수 있다.

<61> 도 7은 본 발명의 제5 실시예에 있어서, 게임 제공 방법을 도시한 흐름도이다.

<62> 단계(S701)에서 게임을 제공하는 게임 제공 시스템은 실제 지도를 이용한 게임 배경을 재생한다. 예를 들어, 상기 게임 제공 시스템은 대한민국의 지도를 보드게임의 판과 같이 이용하여 상기 게임 배경으로서 재생할 수 있다.

<63> 단계(S702)에서 상기 게임 제공 시스템은 상기 게임 배경의 시작거점에 복수의 사용자 각각에 대응하는 복수의 캐릭터를 재생한다. 예를 들어, 상기 게임 제공 시스템은 상기 복수의 캐릭터를 상기 복수의 사용자 각각에 대응하는 게임의 말로서 상기 시작거점에 재생한다.

<64> 단계(S703)에서 상기 게임 제공 시스템은 임의의 사용자에게 대응하는 캐릭터를 상기 실제 지도가 포함하는 복수의 거점간에 이동시킨다. 이때, 상기 캐릭터를 이동시키기 위해 상기 게임 제공 시스템은 기선정된 범위의 랜덤 수만큼 상기 캐릭터를 상기 복수의 거점간에 이동시킬 수 있다.

<65> 예를 들어, 상기 게임 제공 시스템은 상기 캐릭터의 사용자의 턴에 상기 캐릭터를 이동시키기 위한 상기 랜덤 수를 확인하여 상기 캐릭터를 상기 랜덤 수만큼 이동시킬 수 있다. 또한, 상기 복수의 거점은 상기 실제 지도에 해당하는 실제 지역의 축제에 대한 정보를 포함할 수 있다. 다시 말해, 대한민국의 지도를 이용하는 경우 대한민국 각 지역의 실제 축제 지역을 주사위를 던진 결과와 같은 랜덤 수를 이용하여 이동할 수 있다.

<66> 단계(S704)에서 상기 게임 제공 시스템은 상기 캐릭터가 정지한 거점에 따라 기선정된 이벤트를 진행한다. 이때, 상기 게임 제공 시스템은 상기 거점에 해당하는 상기 축제가 상기 사용자 또는 다른 사용자의 캐릭터에게 귀속되었는지 확인하고, 상기 축제가 귀속되지 않은 것으로 확인된 경우, 상기 사용자에게 상기 캐릭터가 정지한 거점의 상기 축제에 대한 구매 여부 선택 필드를 제공하여 상기 구매 여부 선택 필드를 통해 상기 축제가 상기 사용자에게 구매될 경우, 상기 축제를 상기 캐릭터에 귀속시킬 수 있다. 즉, 최초로 축제 지역에 도착한 캐릭터의 사용자가 상기 축제를 구매하도록 할 수 있다.

<67> 이때, 상기 실제 지역이 실제 축제 기간인 경우, 상기 실제 지역의 축제와 연관된 상품 판매 페이지로의 연결링크를 상기 사용자에게 제공할 수도 있다. 즉, 실제 축제 기간에 판매되는 축제 별 특산물 등을 저렴하게 구매 가능하도록 연계함으로써 게임 속에 등장하는 구성물 등을 상기 사용자단말기를 통해 직접 구매 가능하도록 확장할 수 있다.

<68> 또한, 상기 축제가 상기 다른 사용자의 캐릭터에게 귀속된 경우, 상기 사용자의 제1 게임머니에서 상기 축제에 대응하는 제2 게임머니만큼을 재외하고, 상기 제2 게임머니를 상기 축제를 귀속한 캐릭터의 사용자에게 할당할 수 있다. 즉, 다른 사용자가 구매한 축제 지역에 도착한 캐릭터의 사용자는 상기 축제 지역별로 기선정된 관광비 또는 이용 요금을 상기 축제 지역을 구매한 사용자에게 제공함으로써 게임이 진행될 수 있다.

<69> 단계(S705)에서 상기 게임 제공 시스템은 상기 복수의 사용자 모두에 대해 순서대로 단계(S703) 및 단계(S704)가 수행되었는지 확인하여 수행된 경우 단계(S706)을 수행하고, 수행되지 않은 경우 단계(S703)을 수행한다. 즉, 상기 게임 제공 시스템은 단계(S703) 및 단계(S704)가 상기 복수의 사용자 모두에 대해 순서대로 수행될 때까지 단계(S703) 및 단계(S704)를 순서대로 상기 복수의 사용자 각각에 대해 수행한다.

<70> 단계(S706)에서 상기 게임 제공 시스템은 상기 복수의 사용자에게 할당된 게임머니가 존재하는지 확인하여 존재하는 경우 단계(S703)을 수행하고, 존재하지 않는 경우 종료한다. 이때, 상기 게임 제공 시스템은 상기 복수의 사용자 중 기선정된 수의 사용자에게만 상기 게임머니가 존재하는 경우, 상기 게임을 종료할 수 있다. 예를 들어, 상기 복수의 사용자 중 1명의 사용자만이 할당된 상기 게임머니를 포함하는 경우 상기 사용자를 우승자로 하여 상기 게임을 종료할 수 있다.

- <71> 도 8은 게임 제공 방법을 설명하기 위한 일례이다.
- <72> 도면부호(800)는 복수의 지역에 대한 개괄적인 지도(801)가 사용자단말기에 재생된 모습을 도시하고 있다. 이때, 제1 캐릭터(802)가 제1 지역(803)에서 제2 지역(504)으로 이동하였을 때 제1 캐릭터(802)의 사용자는 제2 지역(504)이 다른 사용자에게 의해 구매된 경우, 제2 지역(504)에 대해 기선정된 관광비 또는 이용 요금을 상기 다른 사용자에게 제공해야 하고 제2 지역(504)이 다른 사용자에게 구매되지 않은 경우, 자신이 제2 지역(504)을 구매할 수 있다.
- <73> 이때, 제2 지역(504)이 실제 축제 기간인 경우, 제2 지역(504)의 축제와 연관된 상품 판매 페이지로의 연결링크를 상기 사용자에게 제공할 수도 있다. 즉, 실제 축제 기간에 판매되는 축제 별 특산물 등을 저렴하게 구매 가능하도록 연계함으로써 게임 속에 등장하는 구성물 등을 상기 사용자단말기를 통해 직접 구매 가능하도록 확장할 수 있다. 도 8에 도시된 제2 지역(504)에 해당하는 '부산 자갈치 축제'로 예를 들면, 자갈치 시장 특산물로의 링크를 상기 사용자에게 제공함으로써 광고 효과 및 실제 물품의 구매로 이어지도록 할 수 있다.
- <74> 도 9는 본 발명의 제6 실시예에 있어서, 게임 제공 시스템의 내부 구성을 설명하기 위한 블록도이다. 여기서, 게임 제공 시스템(900)은 게임 배경 재생부(901), 캐릭터 재생부(902), 캐릭터 이동부(903), 이벤트 처리부(904) 및 반복부(905)를 포함한다.
- <75> 게임 배경 재생부(901)는 실제 지도를 이용한 게임 배경을 재생한다. 예를 들어, 상기 게임 제공 시스템은 대한민국의 지도를 보드게임의 판과 같이 이용하여 상기 게임 배경으로서 재생할 수 있다.
- <76> 캐릭터 재생부(902)는 상기 게임 배경의 시작거점에 복수의 사용자 각각에 대응하는 복수의 캐릭터를 재생한다. 예를 들어, 상기 게임 제공 시스템은 상기 복수의 캐릭터를 상기 복수의 사용자 각각에 대응하는 게임의 말로서 상기 시작거점에 재생한다.
- <77> 캐릭터 이동부(903)는 임의의 사용자에게 대응하는 캐릭터를 상기 실제 지도가 포함하는 복수의 거점간에 이동시킨다. 이때, 상기 캐릭터를 이동시키기 위해 상기 게임 제공 시스템은 기선정된 범위의 랜덤 수만큼 상기 캐릭터를 상기 복수의 거점간에 이동시킬 수 있다.
- <78> 예를 들어, 상기 게임 제공 시스템은 상기 캐릭터의 사용자의 턴에 상기 캐릭터를 이동시키기 위한 상기 랜덤 수를 확인하여 상기 캐릭터를 상기 랜덤 수만큼 이동시킬 수 있다. 또한, 상기 복수의 거점은 상기 실제 지도에 해당하는 실제 지역의 축제에 대한 정보를 포함할 수 있다. 다시 말해, 대한민국의 지도를 이용하는 경우 대한민국 각 지역의 실제 축제 지역을 주사위를 던진 결과와 같은 랜덤 수를 이용하여 이동할 수 있다.
- <79> 이벤트 처리부(904)는 상기 캐릭터가 정지한 거점에 따라 기선정된 이벤트를 진행한다. 이때, 상기 게임 제공 시스템은 상기 거점에 해당하는 상기 축제가 상기 사용자 또는 다른 사용자의 캐릭터에게 귀속되었는지 확인하고, 상기 축제가 귀속되지 않은 것으로 확인된 경우, 상기 사용자에게 상기 캐릭터가 정지한 거점의 상기 축제에 대한 구매 여부 선택 필드를 제공하여 상기 구매 여부 선택 필드를 통해 상기 축제가 상기 사용자에게 구매된 경우, 상기 축제를 상기 캐릭터에 귀속시킬 수 있다.
- <80> 또한, 상기 축제가 상기 다른 사용자의 캐릭터에게 귀속된 경우, 상기 사용자의 제1 게임머니에서 상기 축제에 대응하는 제2 게임머니만큼을 제외하고, 상기 제2 게임머니를 상기 축제를 귀속한 캐릭터의 사용자에게 할당할 수 있다.
- <81> 반복부(905)는 상기 복수의 사용자 모두에 대해 순서대로 캐릭터 이동부(903) 및 이벤트 처리부(904)를 반복 수행시킨다. 즉, 반복부(905)는 캐릭터 이동부(903) 및 이벤트 처리부(904)가 상기 복수의 사용자 모두에 대해 순서대로 수행될 때까지 캐릭터 이동부(903) 및 이벤트 처리부(904)를 순서대로 상기 복수의 사용자 각각에 대해 수행시킨다.
- <82> 여기서, 게임 제공 시스템(900)은 상기 복수의 사용자 중 기선정된 수의 사용자에게만 상기 게임 머니가 존재하는 경우, 상기 게임을 종료할 수 있다. 예를 들어, 상기 복수의 사용자 중 1명의 사용자만이 할당된 상기 게임 머니를 포함하는 경우 상기 사용자를 우승자로 하여 상기 게임을 종료할 수 있다.
- <83> 이와 같이 본 발명에 따른 게임 제공 방법 및 시스템을 이용하면 위치정보 제공 방법 및 시스템에서 이용되는 머니게임으로서 또는 상기 머니게임과는 별도의 게임으로서 캐릭터 육성 게임 또는 실제 지역의 정보를 이용한 게임을 제공함으로써 사용자의 관심을 유발시키고, 수익성을 증대시킬 수 있다.
- <84> 본 발명에 따른 실시예들은 다양한 컴퓨터 수단을 통하여 수행될 수 있는 프로그램 명령 형태로 구현되어 컴퓨

터 판독 가능 매체에 기록될 수 있다. 상기 컴퓨터 판독 가능 매체는 프로그램 명령, 데이터 파일, 데이터 구조 등을 단독으로 또는 조합하여 포함할 수 있다. 상기 매체에 기록되는 프로그램 명령은 본 발명을 위하여 특별히 설계되고 구성된 것들이거나 컴퓨터 소프트웨어 당업자에게 공지되어 사용 가능한 것일 수도 있다. 컴퓨터 판독 가능 기록 매체의 예에는 하드 디스크, 플로피 디스크 및 자기 테이프와 같은 자기 매체(magnetic media), CD-ROM, DVD와 같은 광기록 매체(optical media), 플롭티컬 디스크(Floptical disk)와 같은 자기-광 매체(magneto-optical media), 및 롬(ROM), 램(RAM), 플래시 메모리 등과 같은 프로그램 명령을 저장하고 수행하도록 특별히 구성된 하드웨어 장치가 포함된다. 프로그램 명령의 예에는 컴파일러에 의해 만들어지는 것과 같은 기계어 코드뿐만 아니라 인터프리터 등을 사용해서 컴퓨터에 의해서 실행될 수 있는 고급 언어 코드를 포함한다. 상기된 하드웨어 장치는 본 발명의 동작을 수행하기 위해 하나 이상의 소프트웨어 모듈로서 작동하도록 구성될 수 있으며, 그 역도 마찬가지이다.

- <85> 이상과 같이 본 발명에서는 구체적인 구성 요소 등과 같은 특정 사항들과 한정된 실시예 및 도면에 의해 설명되었으나 이는 본 발명의 보다 전반적인 이해를 돕기 위해서 제공된 것일 뿐, 본 발명은 상기의 실시예에 한정되는 것은 아니며, 본 발명이 속하는 분야에서 통상적인 지식을 가진 자라면 이러한 기재로부터 다양한 수정 및 변형이 가능하다.
- <86> 따라서, 본 발명의 사상은 설명된 실시예에 국한되어 정해져서는 아니되며, 후술하는 특허청구범위뿐 아니라 이 특허청구범위와 균등하거나 등가적 변형이 있는 모든 것들은 본 발명 사상의 범주에 속한다고 할 것이다.

발명의 효과

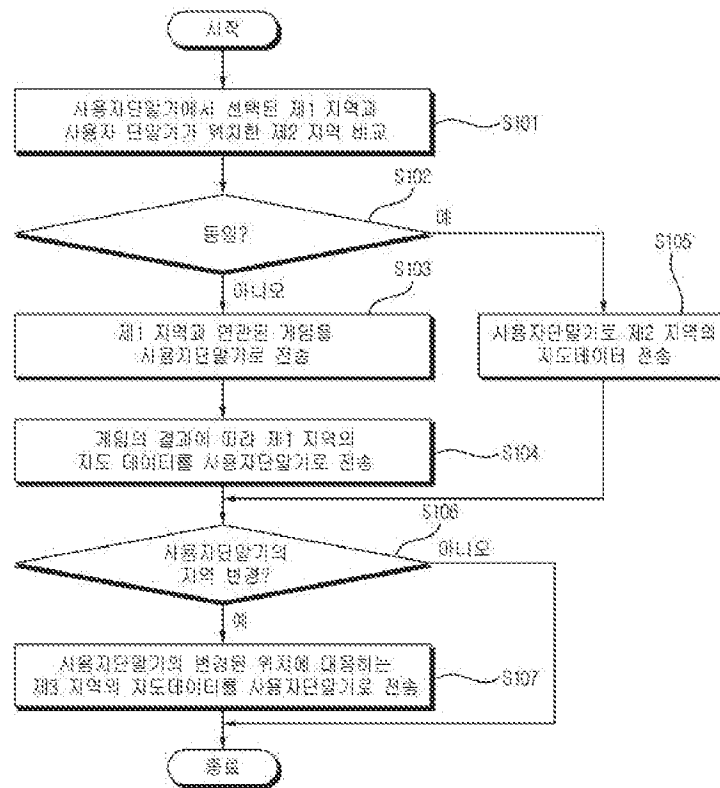
- <87> 본 발명에 따르면, 실제 사용자단말기의 위치에 해당하는 지역의 지도를 획득할 뿐만 아니라 상기 사용자단말기가 위치하지 않는 지역의 지도를 다양한 미니게임을 이용하여 획득하도록 함으로써 사용자의 관심을 유발시키고, 이를 통해 위치기반 서비스의 수익성을 증대시킬 수 있다.
- <88> 본 발명에 따르면, 상기 미니게임으로서 또는 상기 미니게임과는 별도의 게임으로서 캐릭터 육성 게임 또는 실제 지역의 정보를 이용한 게임을 제공함으로써 사용자의 관심을 유발시키고, 수익성을 증대시킬 수 있다.

도면의 간단한 설명

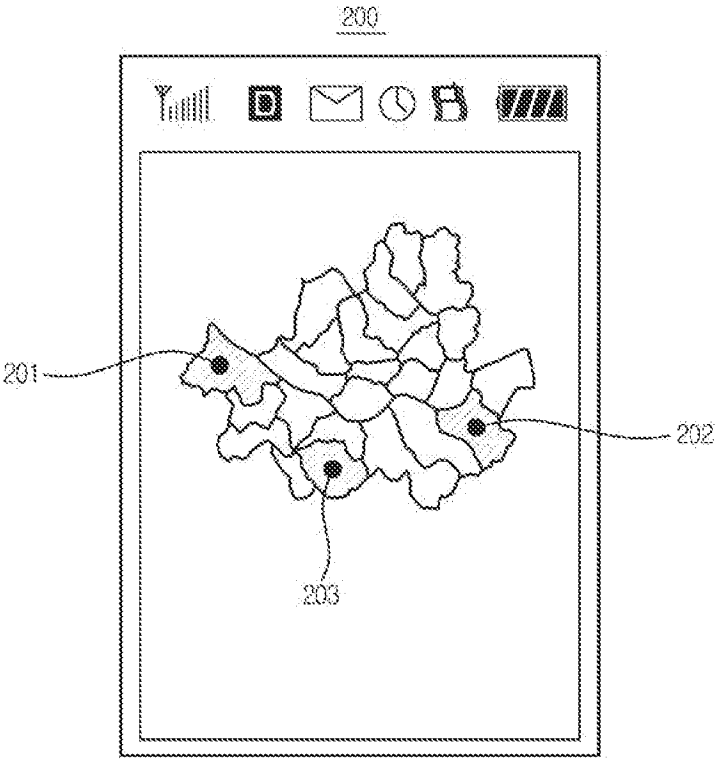
- <1> 도 1은 본 발명의 제1 실시예에 있어서, 위치정보를 제공하는 방법을 도시한 흐름도이다.
- <2> 도 2는 위치정보를 제공하는 방법을 설명하기 위한 일례이다.
- <3> 도 3은 본 발명의 제2 실시예에 있어서, 위치정보 제공 시스템의 내부 구성을 설명하기 위한 블록도이다.
- <4> 도 4는 본 발명의 제3 실시예에 있어서, 사용자단말기의 위치에 따른 게임 제공 방법을 도시한 흐름도이다.
- <5> 도 5는 사용자단말기의 위치에 따른 게임 제공 방법을 설명하기 위한 일례이다.
- <6> 도 6은 본 발명의 제4 실시예에 있어서, 게임 제공 시스템의 내부 구성을 설명하기 위한 블록도이다.
- <7> 도 7은 본 발명의 제5 실시예에 있어서, 게임 제공 방법을 도시한 흐름도이다.
- <8> 도 8은 게임 제공 방법을 설명하기 위한 일례이다.
- <9> 도 9는 본 발명의 제6 실시예에 있어서, 게임 제공 시스템의 내부 구성을 설명하기 위한 블록도이다.
- <10> <도면의 주요 부분에 대한 부호의 설명>
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- <12> 301: 지역 비교부
- <13> 302: 게임 전송부
- <14> 303: 제1 지도데이터 전송부
- <15> 600, 900: 게임 제공 시스템

도면

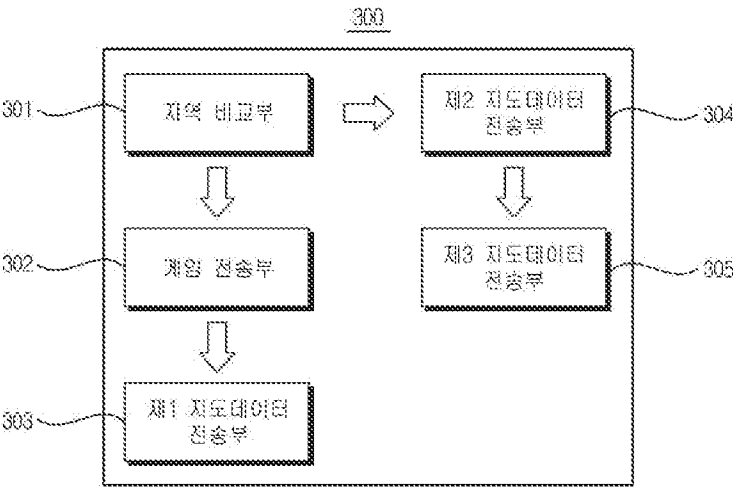
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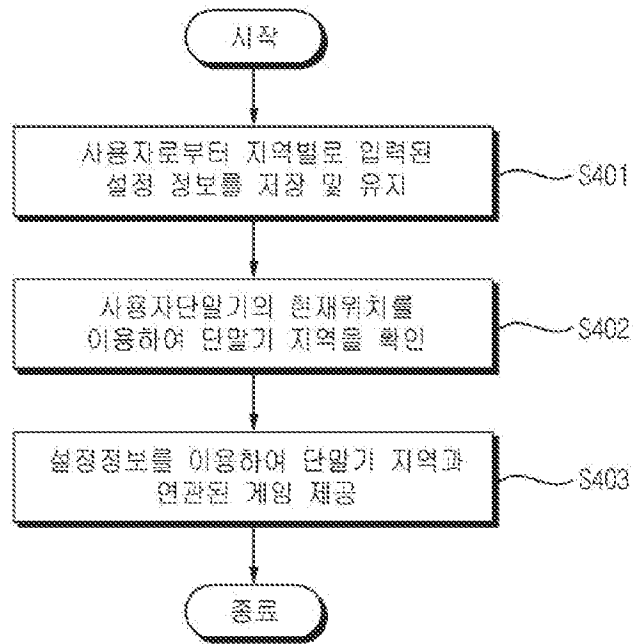
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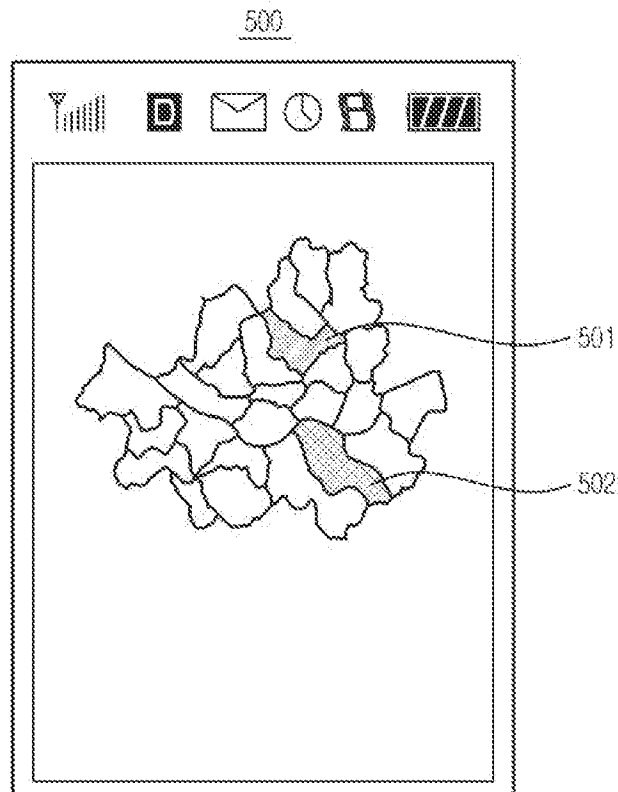
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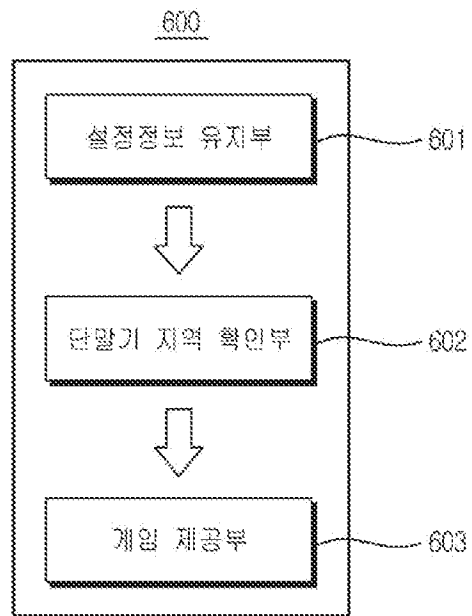
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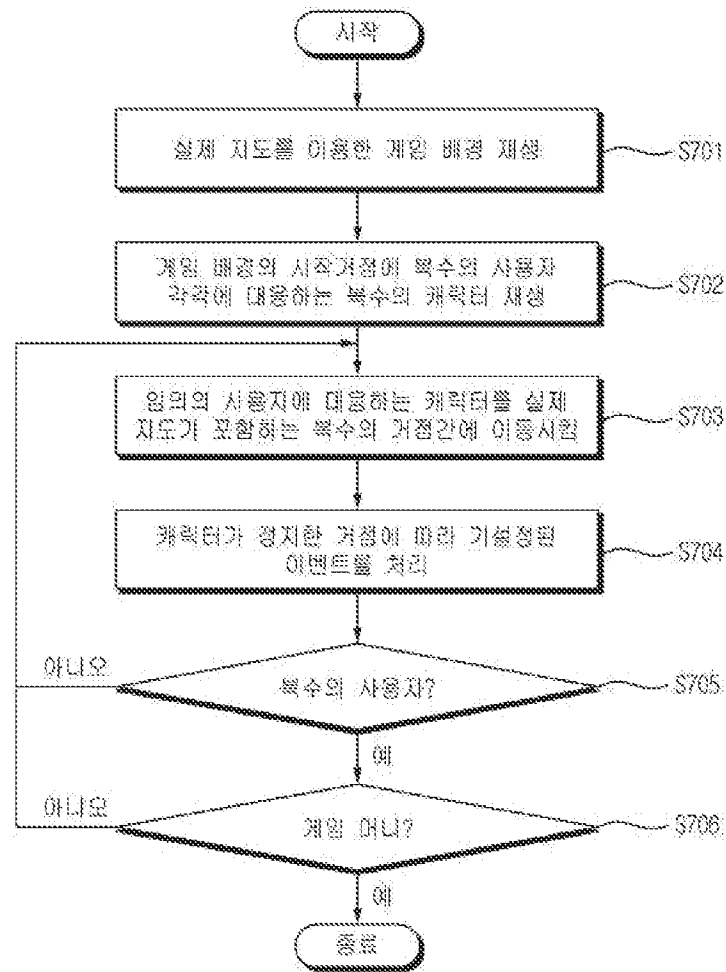
도면5



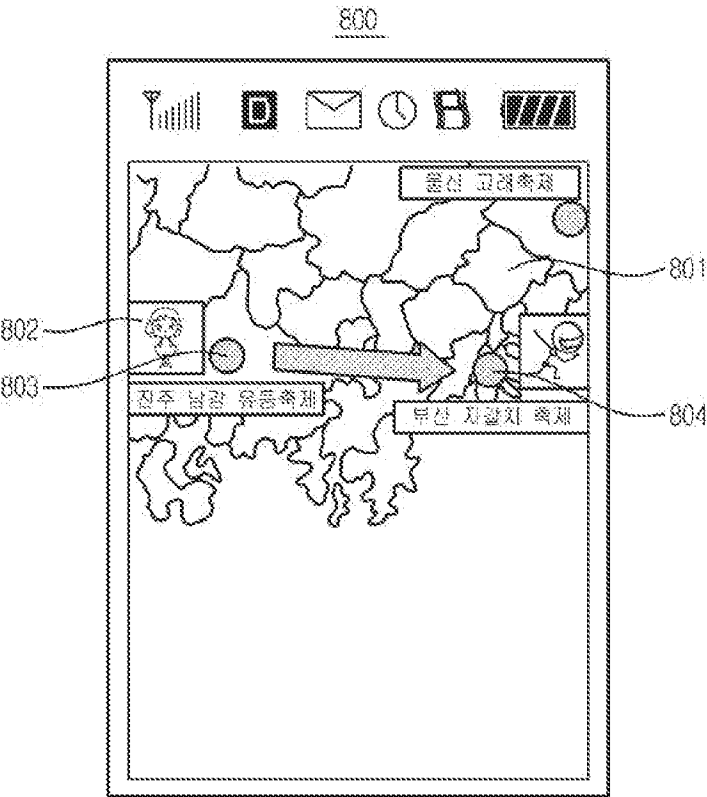
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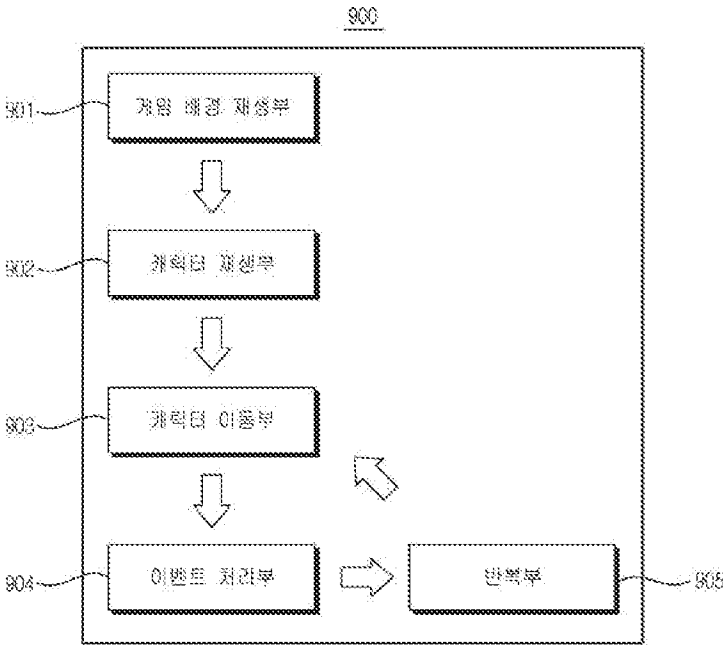
도면7



도면8



도면9





UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
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ELECTRONIC PAYMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
09/25/2025 12:30:36 PM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 72455388

AUTHORIZED BY -

CUSTOMER # 112211

FILING DATE 04/11/2025

CORRESPONDENCE ADDRESS -

FIRST NAMED INVENTOR Yousuf Chowdhary

Payment Information

PAYMENT METHOD
DA / 506044

PAYMENT TRANSACTION ID
E20259OC32037809

PAYMENT AUTHORIZED BY
Frank Bruno

PRE-AUTHORIZED ACCOUNT
506044

PRE-AUTHORIZED CATEGORY
37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2833	FILING AN INFORMATION DISCLOSURE STATEMENT THAT CAUSES THE CUMULATIVE NUMBER OF APPLICANT-PROVIDED ITEMS OF INFORMATION TO EXCEED 100 BUT NOT EXCEED 200	500.00	1	500.00
2464	PETITIONS REQUIRING THE PETITION FEE SET FORTH IN 37 CFR 1.17(H) (GROUP III)	60.00	1	60.00
2801	REQUEST FOR CONTINUED	600.00	1	600.00

EXAMINATION (RCE) - 1ST
REQUEST (SEE 37 CFR 1.114)

**TOTAL
AMOUNT:** **≈1,160.00**

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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GRANT LETTER

APPLICATION #	DECISION DATE	DECISION ON PETITION #	ATTORNEY DOCKET NUMBER
19/176,364	09/25/2025	37 CFR 1.313(c)(2)	0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

In re Application of Yousuf Chowdhary

This is an electronic decision on the petition under 37 CFR 1.313(c)(2), filed September 25, 2025 to withdraw the above-identified application from issue after payment of the issue fee.

The request is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid in this application cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.

The application is being referred to Technology Center AU \${technologyCenter} for processing of the request for continuing examination under 37 CFR 1.114.

Telephone inquired concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

Office of Petitions



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
09/25/2025 12:30:36 PM Z ET

ATTORNEY DOCKET #
0036177-00043

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SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

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APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 4736

FILED BY Frank Bruno

PATENT CENTER # 72455388

FILING DATE 04/11/2025

CUSTOMER # 112211

FIRST NAMED
INVENTOR Yousuf Chowdhary

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 83

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	2	ePetition Request Form	29 KB
IDS 186505-070000.pdf	12	Information Disclosure Statement (IDS) Form (SB08)	1306 KB
sb0009.pdf	2	Quick Path Information Disclosure Statement	282 KB
sb0030.pdf	3	Request for Continued Examination (RCE)	648 KB

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IDS 186505-070000v2.pdf	12	Information Disclosure Statement (IDS) Form (SB08)	1277 KB
NPL_Nicklas.pdf	7	Non Patent Literature	210 KB

NPL_Natkin.pdf	24	Non Patent Literature	378 KB
NPL_Peitz.pdf	8	Non Patent Literature	208 KB
NPL_Petition11484797.pdf	82	Non Patent Literature	4604 KB
NPL_Petition10946284.pdf	82	Non Patent Literature	4604 KB
NPL_Segatto.pdf	14	Non Patent Literature	1422 KB
NPL_Sotamaa.pdf	10	Non Patent Literature	555 KB
NPL_Souza_Playful--.pdf	24	Non Patent Literature	214 KB
NPL_PetitionforInterPartesJuly14.pdf	111	Non Patent Literature	7971 KB
NPL_Petition12070691.pdf	114	Non Patent Literature	8119 KB
NPL_Souza_Alien.pdf	11	Non Patent Literature	829 KB
NPL_Petition11666827.pdf	111	Non Patent Literature	7983 KB
NPL_RolemasterStandardRules.pdf	258	Non Patent Literature	3898 KB
NPL_Stark.pdf	16	Non Patent Literature	110 KB
NPL_Squires.pdf	4	Non Patent Literature	395 KB
NPL_SpellLaw_Part6.pdf	2	Non Patent Literature	575 KB
NPL_TheGreatestGamesofAllTime.pdf	2	Non Patent Literature	671 KB
NPL_Tiensyrja.pdf	9	Non Patent Literature	670 KB
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NPL_SpellLaw_Part1.pdf	32	Non Patent Literature	8013 KB

NPL_Wikipedia_Role-playingvideogame.pdf	14	Non Patent Literature	224 KB
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NPL_Wikipedia_Virtualworld.pdf	7	Non Patent Literature	176 KB
NPL_Wikipedia_Tabletop.pdf	10	Non Patent Literature	230 KB
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NPL_Wikipedia_Attribute.pdf	4	Non Patent Literature	2584 KB
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NPL_SpellLaw_Part3.pdf	32	Non Patent Literature	7456 KB
NPL_Benford_Life.pdf	10	Non Patent Literature	737 KB
NPL_RolemasterCharacterLaw_Part1.pdf	75	Non Patent Literature	16000 KB
FOR_CN101380517.pdf	3	Foreign Reference	1135 KB
NPL_RolemasterArmsLaw_Part1.pdf	50	Non Patent Literature	17303 KB
NPL_Cheok.pdf	13	Non Patent Literature	467 KB
NPL_Benford_Savannah.pdf	9	Non Patent Literature	1128 KB
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NPL_RolemasterCharacterLaw_Part2.pdf	55	Non Patent Literature	15932 KB
NPL_Demeure-.pdf	8	Non Patent Literature	337 KB
NPL_Complaint.pdf	71	Non Patent Literature	2379 KB
NPL_DefendantNianticAugust28.pdf	140	Non Patent Literature	3242 KB
NPL_Svantenson.pdf	41	Non Patent Literature	8862 KB

FOR_TW201039161.pdf	12	Foreign Reference	5822 KB
NPL_DungeonsDragonsPlayersHandbookDeluxe.pdf	97	Non Patent Literature	46 KB
NPL_ComputerDictionary.pdf	8	Non Patent Literature	11663 KB
NPL_CharacterLaw_Part1.pdf	70	Non Patent Literature	13647 KB
NPL_DungeonsDragonsRulesCompendium_Part1.pdf	40	Non Patent Literature	7658 KB
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NPL_DungeonsDragonsMonsterManual_Part1.pdf	150	Non Patent Literature	16373 KB
NPL_DungeonsDragonsRulesCompendium_Part2.pdf	40	Non Patent Literature	7573 KB
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NPL_DungeonsDragonsRulesCompendium_Part7.pdf	40	Non Patent Literature	7233 KB
NPL_DungeonsDragonsPlayers Handbook 2.pdf	225	Non Patent Literature	22486 KB
NPL_DungeonsDragonsMonsterManual_Part2.pdf	144	Non Patent Literature	23677 KB
NPL_FriedmanDeclarationJuly25.pdf	305	Non Patent Literature	14629 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	178891D10826CA79FBF29729C4CCF8A476124EADCF0DEE6699CC4FEF6E2997ECF2E2135A9DB8B35643C55F7EB4FDC24C7536D239A6B99CA780CF3737CFB40188
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The time period for reply, if any, is set in the attached communication.

CORRECTED
Notice of Allowability

Application No.

19/176,364

Applicant(s)

Chowdhary et al.

Examiner

THOMAS H HENRY

Art Unit

3715

**AIA (First
Inventor to File)
Status** Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to IDS filed 9/25/25.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 30-49 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov**.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
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Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

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5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Examiner's Amendment/Comment |
| 2. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____. | 6. ☐ Examiner's Statement of Reasons for Allowance |
| 3. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material _____. | 7. ☐ Other _____. |
| 4. ☐ Interview Summary (PTO-413),
Paper No./Mail Date. _____. | |

/THOMAS H HENRY/
Primary Examiner, Art Unit 3715

Doc code: IDS

PTO/SB/08a (01-25)

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number		19176364
	Filing Date		04/11/2025
	First Named Inventor	Brunette	
	Art Unit	3715	
	Examiner Name	Thomas Henry	
	Attorney Docket Number	0036177-00043	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Inventor of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	7073129	B1	2006-07-04	ROBARTS et al.	
	2	8292743	B1	2012-10-23	ETTER et al.	
	3	8342929	B2	2010-10-28	BRIGGS et al.	
	4	8425291	B2	2012-01-11	COUNTS	
	5	8473192	B2	2013-06-25	HANNAH et al.	
	6	8550909	B2	2013-10-08	GERSON et al.	
	7	8555346	B2	2013-10-08	BOKOR et al.	
	8	8633014	B2	2014-03-04	XU et al.	

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9	8639725	B1	2014-01-28	UDESHI et al.	
10	8727887	B2	2014-05-20	MAHAJAN et al.	
11	8814689	B2	2014-08-26	ACKLEY et al.	
12	9077771	B2	2015-07-07	KRUGLICK	
13	9170114	B2	2015-10-27	UHLIR et al.	
14	9440146	B1	2016-09-13	ROUSE et al.	
15	9539498	B1	2017-01-10	HANKE et al.	
16	9555334	B2	2017-01-31	BERNARD et al.	
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1	20040248653	A1	2004-12-09	BARROS et al.	
2	20060281553	A1	2006-12-14	HAWKINS et al.	
3	20080102956	A1	2008-05-01	BURMAN et al.	
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12	20120129590	A1	2012-05-24	MORRISROE et al.	
13	20120244945	A1	2012-09-27	KOLO et al.	
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FOREIGN PATENT DOCUMENTS

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	1	1020090000664	KR	A	2009-01-08	KIM HA-KYUN		☒
	2	101380517	CN	A	2009-03-11	Individual		☒
	3	201039161	TW	A	2010-11-01	YUAN		☒

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Complaint, ImagineAR, Inc. and Imagine AR, Inc. v. Niantic, Inc., 1-24-cv- 01252 (D. Del.)	☐
	2	Computer Dictionary, Microsoft Press (1st ed., 1991)	☐
	3	BENFORD et al., "Life on the Edge: Supporting Collaboration in Location-Based Experiences," April 2-7, 2005	☐
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	6	Character Law & Campaign Law, Iron Crown Enterprises, 2nd Edition (1989), 144 pp.	☐
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	10	Defendant Niantic, Inc.'s Preliminary Invalidity Contentions, dated August 28, 2025, 140 pp.	☐
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	12	Dungeons & Dragons, Monster Manual Deluxe Edition," Wizards of the Coast, 4th Edition, June 2008	☐
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22	LANKOSKI et al, A Case Study in Pervasive Game Design: The Songs of North, NordiCHI '04, October 23-27, 2004 Tampere, Finland, pp. 413-416	☐
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25	MITCHELL et al., "Six in the City: Introducing Real Tournament – A Mobile IPv6 Based Context-Aware Multiplayer Game," May 22-23, 2003	☐
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27	NATKIN et al., Adaptive Narration in Multiplayer Ubiquitous Games, Int'l Journal of Cognitive Informatics and Natural Intelligence, 3(2), 61-83, April-June 2009, pp. 61-83	☐
28	NICKLAS et al., "Towards Location-based Games," November 22-23, 2001	☐
29	PEITZ et al., "Insectopia - Exploring Pervasive Games through Technology already Pervasively Available," June 13-15, 2007	☐
30	Petition for Inter Partes Review of US Patent No. 10,946,284 dated July 14, 2025, 82 pp.	☐
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32	Petition for Inter Partes Review of US Patent No. 11,666,827, dated July 14, 2025, 111 pp.	☐
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EXAMINER SIGNATURE

Examiner Signature	/THOMAS H HENRY/	Date Considered	10/08/2025
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TIMING STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

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☐ See attached timing statement under 37 CFR 1.97(e).

☐ A timing statement under 37 CFR 1.97(e) is not submitted herewith.

TIMING FEE

☐ The fee set forth in 37 CFR 1.17(p) has been submitted herewith.

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☐ An identification of an earlier application pursuant to 37 CFR 1.98(d)(1) is attached.

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Signature	/Frank Bruno/	Date (YYYY-MM-DD)	2025-09-24
Name/Print	Frank Bruno	Registration Number	46,583

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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L2	119	(A63F13/60).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:19 PM
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L4	7979	(A63F13/12).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2015/12/31 07:19 PM
L5	0	change with story with local with game	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:57 PM
L6	1	change with story with location with game	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:57 PM
L7	83	("463").clas. and (location with customize)	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 06:58 PM
L8	33	("20060189371" "7484176" "20080139306" "20080070669" "5941772" "20110190066" "20070077978" "20090156179" "20070259713" "20080026838" "6476830" "20070093299" "6887157" "7090576" "20050037845" "20080020788" "20090023489" "20110201414" "20030083943" "20080167106" "20030188306" "20050137015" "20060240894" "20070060330" "20120322550" "20090124384" "20050227811" "20030073494" "20090124386" "20020042740" "20070197296" "20080181535" "20100137067").PN.	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:04 PM
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L11	15408	game and (location with (item story storyline building))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:10 PM
L12	812	("463").clas. and (location with (item story storyline))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:11 PM

L13	98	("463").clas. and (location with (story storyline))	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/06 07:11 PM
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L17	9	("463").clas. and (geographic with location) same (story storyline)	(US-PGPUB; USPAT)	OR	OFF	OFF	2016/01/11 04:12 PM
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L23	14	unique with geographical with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:00 PM
L24	81	unique with country and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:01 PM
L25	564	unique with state and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
L26	463	map with player with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
L27	51	map with player with world with location and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/08/10 01:04 PM
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L29	0	real with world with actuate and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:02 PM
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L31	114	location with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM

L32	601	location with (actuate activate) and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L33	96	friend with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L34	74948	friend with activateand (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L35	12	friend with activate and (A63F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:03 PM
L36	13	geographic with location same (unlock activate)	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:12 PM
L37	10	gps with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:22 PM
L38	10	global with positioning with system with unlock and (A63F\$).cpc.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:22 PM
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L54	0	modify with plot with node and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:40 PM
L55	0	plot with node and (G07F\$).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 08:40 PM
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L59	13	("2012/0157197").URP	(USPAT)	OR	OFF	OFF	2020/12/23

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PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
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N40	1163	(A63F13/60).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N41	6319	(A63F13/10).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N42	8267	(A63F13/12).cpc.	(US-PGPUB; USPAT)	OR	OFF	OFF	2020/12/23 03:11 PM
N43	14	(local script virtual character).clm.	(US-PGPUB; USPAT)	AND	OFF	OFF	2020/12/23 03:11 PM
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N48	1311	(A63F13/327).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N49	1877	(A63F13/216).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N50	462	(A63F2300/205).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
N51	1254	(A63F2300/206).cpc.	(US-PGPUB; USPAT)	OR	ON	ON	2023/01/20 09:12 AM
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Doc code: IDS

PTO/SB/08a (01-25)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2027. OMB 0651-0031

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	Filing Date		04/11/2025
	First Named Inventor	Brunette	
	Art Unit	3715	
	Examiner Name	Thomas Henry	
	Attorney Docket Number	0036177-00043	

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	1	7073129	B1	2006-07-04	ROBARTS et al.	
	2	8292743	B1	2012-10-23	ETTER et al.	
	3	8342929	B2	2010-10-28	BRIGGS et al.	
	4	8425291	B2	2012-01-11	COUNTS	
	5	8473194	B2	2013-06-25	IRISH et al.	
	6	8550909	B2	2013-10-08	GERSON et al.	
	7	8555346	B2	2013-10-08	BOKOR et al.	
	8	8633014	B2	2014-03-04	XU et al.	

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9	8639725	B1	2014-01-28	UDESHI et al.	
10	8727887	B2	2014-05-20	MAHAJAN et al.	
11	8814689	B2	2014-08-26	ACKLEY et al.	
12	9077771	B2	2015-07-07	KRUGLICK	
13	9170114	B2	2015-10-27	UHLIR et al.	
14	9440146	B1	2016-09-13	ROUSE et al.	
15	9539498	B1	2017-01-10	HANKE et al.	
16	9555334	B2	2017-01-31	BERNARD et al.	
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	11	20120094767	A1	2012-04-19	PRESGRAVES	

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13	20120244945	A1	2012-09-27	KOLO et al.	
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16	20130196773	A1	2013-08-01	LOCKEBY et al.	
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	1	1020090000664	KR	A	2009-01-08	KIM HA-KYUN		☒
	2	101380517	CN	A	2009-03-11	Individual		☒
	3	201039161	TW	A	2010-11-01	YUAN		☒

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Complaint, ImagineAR, Inc. and Imagine AR, Inc. v. Niantic, Inc., 1-24-cv- 01252 (D. Del.)	☐
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	23	LEORKE, "Location-Based Gaming: Play in Public Space," 2019	☐
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	30	Petition for Inter Partes Review of US Patent No. 10,946,284 dated July 14, 2025, 82 pp.	☐
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Attorney Docket Number	0036177-00043

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48	"Wikipedia, the free encyclopedia, Attribute (role-playing games), at https://web.archive.org/web/20100402035320/http://en.wikipedia.org/wiki/Attribute_%28role-playing_games%29 (last visited Jun. 4, 2025)"	☐
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First Named Inventor	Brunette		
Art Unit	3715		
Examiner Name	Thomas Henry		
Attorney Docket Number	0036177-00043		

TIMING STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☒ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached timing statement under 37 CFR 1.97(e).

☐ A timing statement under 37 CFR 1.97(e) is not submitted herewith.

TIMING FEE

☐ The fee set forth in 37 CFR 1.17(p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98(d)(1) is attached.

SIZE FEE ASSERTION

Please see 37 CFR 1.17(v) and the [IDS Auto-Load Instructions](#) for completing this form to make the appropriate selection of an assertion under 37 CFR 1.98. For the information disclosure statement (IDS) submitted herewith, the applicant or patent owner certifies the following with respect to the cumulative number of applicant-provided or patent-owner provided items of information submitted to date including those in the accompanying IDS (select only one):

- ☐ No IDS size fee is required under 37 CFR 1.17(v) at this time.
- ☐ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(1).
- ☒ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(2).
- ☐ The IDS is accompanied by the IDS size fee under 37 CFR 1.17(v)(3).

SIGNATURE

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature	/Frank Bruno/	Date (YYYY-MM-DD)	2025-09-24
Name/Print	Frank Bruno	Registration Number	46,583

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number	19176364
Filing Date	04/11/2025
First Named Inventor	Brunette
Art Unit	3715
Examiner Name	Thomas Henry
Attorney Docket Number	0036177-00043

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
19/176,364

RECEIPT DATE / TIME
10/09/2025 01:56:04 PM Z ET

ATTORNEY DOCKET #
0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	
CONFIRMATION #	4736	FILED BY	Frank Bruno
PATENT CENTER #	72645253	FILING DATE	04/11/2025
CUSTOMER #	112211	FIRST NAMED INVENTOR	Yousuf Chowdhary
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	-

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
web85b.pdf	3	Issue Fee Payment (PTO-85B)	58 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
web85b.pdf	7927B730E3B718631BBF9D0C7885426E1912BE94BC91D8A62 1F80964569EC3D78EBD7BC1DEAA60EA81E0461BF99A20ED9 97E6FAB94258A48C11A8E1721E17A53

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



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ISSUE FEE TRANSMITTAL FORM

APPLICATION #	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET #
19176364	04/11/2025	Yousuf Chowdhary	0036177-00043

Title of Invention

SYSTEMS AND METHODS FOR CAPTURE AND USE OF LOCAL ELEMENTS IN GAMEPLAY

Application Information

APPLICATION TYPE	Nonprovisional Application under 35 USC 111(a)	DATE DUE	09/16/2025
CONFIRMATION #	4736	ISSUE FEE DUE	\$ 0
EXAMINER	THOMAS HENRY	PUBLICATION DUE	\$ 0
GROUP ART UNIT	3715	TOTAL FEES DUE	\$0
CLASS - SUBCLASS	463/042000	PREV. PAID FEE	\$ 516
ENTITY STATUS	Small		

1. CHANGE OF CORRESPONDENCE ADDRESS AND/OR INDICATION OF FEE ADDRESS (37 CFR 1.33 & 1.363)

Correspondence Address

CURRENT ADDRESS

Maintenance Fee Address

CURRENT ADDRESS

☐

Change of correspondence address
requested, system generated AIA/122-PC form
attached

☐

Fee address indication requested, system
generated SB/47-PC form attached

2. ENTITY STATUS

Change in Entity Status

NEW STATUS

3. THE FOLLOWING FEES ARE SUBMITTED

☐

Issue Fee

☒

Publication Fee

4. FEE AUTHORIZATION

☒

I authorize USPTO to apply my previously paid issue fee to the current fees due

☐

The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge
deficient fees to Deposit Account Number:

☒

If in addition to the payment of the issue fee amount submitted with this form, there are any discrepancies in
any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit
Account Number: 506044

5. FIRM AND/OR ATTORNEY NAMES TO BE PRINTED

NOTE: If no name is listed, no name will be printed

For printing on the patent front page, list to be displayed as entered

White and Williams, LLP

6. ASSIGNEE NAME(S) AND RESIDENCE DATA TO BE PRINTED

NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been
filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via Patent Center on the date indicated below.

Signature	Name	Registration #	Date
/Frank Bruno/	Frank Bruno	46583	10/09/2025



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Hieu Le

Refund Accounting Date:10/10/2025

Effective Date	Sale Item Reference Number	Refund Total
10/10/2025	19176364	\$516.00

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method	Account Number
I202500E26599952	2501	UTILITY APPL ISSUE FEE	\$516.00	DA	506044



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

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Sale Adjustment Accounting Date:10/10/2025

Effective Date	Sale Accounting Date	Sale Item Reference Number
10/10/2025	10/10/2025	19176364

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I202500E26599952	2501	UTILITY APPL ISSUE FEE	\$516.00	DA



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User :Hieu Le

Sale Accounting Date:10/10/2025

Sale Item Reference Number

19176364

Effective Date

10/09/2025

Document Number

I202500E28289968

Fee Code

2501

Fee Code Description

UTILITY APPL ISSUE FEE

Amount Paid

\$516.00

Payment Method

Deposit Account