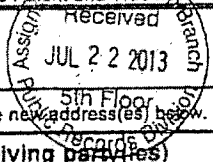


02/05/2014

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103665882



To the Director of the U.S. Patent

ments or the new address(es) below.

1. Name of conveying party(ies)

WILLIAM J. BENMAN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) May 22, 2013

☐ Assignment

☐ Merger

☒ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

2. Name and address of receiving party(ies)

Name: The Craig McAllister Trust Dated December 29, 2006

Internal Address:

Street Address: 15820 Via Del Alba

P.O. Box 146

City: Rancho Santa Fe

State: CA

Country: USA

Zip: 92067

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

US 12/291,086

US 11/710,078

US 11/818/974

B. Patent No.(s)

5,966,130

6,798,407

7,755,635

7,839,399

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: K. Keith McAllister

Internal Address:

Street Address: PO Box 864

City: Tiburon

State: CA

Zip: 94920

Phone Number: (415) 435-2338

Docket Number:

Email Address: kkmcallister@gmail.com

6. Total number of applications and patents involved: seven (7)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 280.00

☐ Authorized to be charged to deposit account

☒ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number

Authorized User Name

9. Signature:

/William J. Benman/
Signature

William J. Benman

Name of Person Signing

07/23/2013 HTON11 08000026 5966138

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Date

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11

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WILLIAM J. BENMAN PATENT LIEN AGREEMENT

William J. Benman ("Lien Grantor") hereby grants liens (the "Liens") on each of four live avatar related patents, three patent applications and the patents resulting from the applications (collectively the "Patents") owned by Lien Grantor (Appendix A), to The Craig McAllister Trust Dated December 29, 2006 (the "Lien Grantee"), in consideration money loaned by Lien Grantee to Integrated Virtual Networks Company ("Company"), owned by Lien Grantor, in connection with the Convertible Line of Credit dated June 24, 2009 (the "Agreement") (Appendix B), subject to the Agreement Amendment dated December 20, 2012 (Appendix C), and subject to the April 2013 Amendment to the Agreement with the effective date of July 19, 2011 (Appendix D).

Lien Grantor hereby represents and warrants to Lien Grantee that Lien Grantor owns and has good and marketable title to the Patents and the inventions which are the subject of the patent applications referred to above, free and clear of all liens; there having been no previous assignments and no prior security interests granted or imposed by law, and that, to the best of Grantor's knowledge, the Patents are valid and enforceable by Lien Grantor, and that Lien Grantor will timely file and pay all filing and maintenance fees for the Patents.

Lien Grantor also hereby agrees that he will cooperate fully and in a timely manner with Lien Grantee to accomplish perfection of the Liens with the USPTO and the California Secretary of State.

Lien Grantor also hereby agrees to notify Lien Grantee immediately of any patent infringement litigation involving the Patents, and to notify Lien Grantee at such time as any future liens are voluntarily or involuntarily placed on the subject Patents.

The Liens shall automatically terminate upon the receipt by Lien Grantee of all funds due by Lien Grantor and Company under the Agreement, as amended (currently \$1,226,200.00), or in the event the obligations of the Agreement are otherwise discharged and the Agreement is thereby terminated.

The undersigned, Craig McAllister, represents and warrants that upon lawful termination of the Agreement, that he, as trustee (the "Trustee") of the Trust, will execute a release of the Liens on behalf of Lien Grantee within five (5) business days after receipt of appropriate forms of release from WJB (the "Releases").

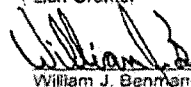
In the event that the Agreement is lawfully terminated, and the Trustee ceases to act as Trustee for any reason, Susan B. McAllister shall become successor Trustee of the Trust and will execute the Releases within 5 days of her appointment as successor Trustee and receipt of the Release forms.

In the event that neither Craig McAllister nor Susan B. McAllister are available, able or willing to act in the capacity of Trustee of the Lien Grantee and release the Liens upon lawful termination of the Agreement, then the Liens will terminate automatically after five days from written notice to Craig, Susan and Keith McAllister of intent to invoke automatic termination.

In either case, Lien Grantee and/or Lien Grantee's attorney, duly appointed agent or representative shall cooperate fully with Lien Grantor and Company to effect a full and complete registration of the manual or automatic release of the subject Liens with the USPTO, the California Secretary of State and any and all other registries, foreign or domestic in which such liens shall have been registered.


The terms of this Patent Lien Agreement is to be governed by the laws of the State of California.

Lien Grantor


William J. Benman

Dated: May 22 2013

Lien Grantee



Dated: May 20 2013

By Trustee Craig McAllister
The Craig McAllister Trust Dated December 29, 2006

2013.05.20 12:57

Appendix A
WILLIAM J. BENMAN PATENT LIEN AGREEMENT
Dated May 23, 2013
(Lien Grantor's Four Patents and Three Patent Applications)

5,966,130 - Integrated virtual networks

Abstract - A virtual workstation and network, each virtual workstation including a virtual environment controller for creating a display of a virtual representation of a work area and tools and assets therein. An interface processes inputs from a user and provides environment control signals to the environment controller, which adjusts the display to provide an image which appears to allow the user to virtually move within the work area and access the tools and assets therein. An intuitive controller is provided for activating each of the tools and assets when they are accessed virtually in the environment. A first embodiment provides a realistic three-dimensional representation of an office. To facilitate remote management and supervision, the invention provides a virtual or real image of coworkers on intuitive command. Thus, one user may virtually walk into the office of another worker and have face to face meeting while viewing and editing a common document. An alternate embodiment provides for a virtual trade show allowing the user to attend a trade show as it happens with live or virtual imagery. The invention allows a camera at the trade show to move through the show under remote control. This imagery may be combined with virtual imagery which may depict a top level graphical show directory or floor plan.

6,798,407 - System and method for providing a functional virtual environment with real time extracted and transplanted images

Abstract - A system and method for providing a functional virtual environment with real time extracted and transplanted images. The system includes hardware and software for providing a multi-dimensional computer generated environment and for receiving a plurality of extracted video images. The system is adapted to transplant the extracted video images into the environment in a manner that preserves the virtual metaphor thereof. In the illustrative embodiment, a realistic virtual city is created in accordance with the Virtual Reality Modeling Language (VRML) protocol. The extracted images are transplanted onto an object in the environment as a texture. In the best mode, the object is invisible. The extracted video images are streamed continuously into the environment such that a live real time interaction is enabled. The environment is networked and the system is adapted to receive multiple simultaneous streams which are transplanted and exported to enable a virtual community. Within the community, users seated in their native environment, appear to walk when navigating due to the unique teaching of the present invention by which a series of stored extracted images of the user walking are transplanted into the environment and replayed for so long as the user is navigating. A separate series is displayed to each person within a predetermined range of the walker that has the walker in his field of view depending on the viewing angle of the observer. A master copy of the environment is stored on a server and downloaded to each client on the network as part of a setup process.

Thereafter, local changes in the environment are uploaded to the server and subsequently downloaded to selected clients as updates. The environment will support private areas and the system is adapted to allow extracted video streams within private environments to be sent to each person in the private environment directly, bypassing the server.

7,755,635 - System and method for combining satellite imagery with virtual imagery

Abstract - A system and method for combining computer generated 3D environments (virtual environments) with satellite images. In a specific application, the system enables users to see and communicate with each other as live avatars in the computer generated environment in real time.

7,839,399 - System and method for volumetric display of video images extracted from arbitrary background environments

Abstract - A system and method for volumetric display of video images extracted from arbitrary background environments comprising an arrangement for extracting a video image in real time from an arbitrary background and creating a stream of extracted image data in response thereto and a free space or volumetric display operationally adapted to display the stream.

United States Patent Application 20090128555 - System and method for creating and using live three-dimensional avatars and interworld operability

Abstract - A system and method for creating a live 3D avatar and effecting interworld operability. The system includes an arrangement for providing a 3D wireframe or surface; an arrangement for providing a series of images; and an arrangement for mapping the series of images onto the wireframe or surface. A mechanism is included for predistorting the images prior to mapping. An additional mechanism is included for simulating the lower body of the user, preferably based on the upper body thereof. Ideally, the system and method is implemented in software stored on a machine readable medium and executed by a processor. For interworld operability, a system and method are disclosed for creating an interworld avatar and using said avatar to navigate between virtual worlds on disparate platforms comprising: at least one client machine; at least one world server; at least one routing server; an arrangement for connecting each of the servers and at least one of the servers to the client machine; and software stored on a medium adapted for execution by the client machine or one of the servers for providing an avatar for use in a world provided by the world server via the routing server.

United States Patent Application 20080043040 - System and method for combining satellite imagery with virtual imagery

Abstract - A system and method for combining computer generated 3D environments (virtual environments) with satellite images. In a specific application, the system enables users to see and communicate with each other as live avatars in the computer generated environment in real time.

United States Patent Application 20080278474 - System and method for volumetric display of video images extracted from arbitrary background environments

Abstract - A system and method for volumetric display of video images extracted from arbitrary background environments comprising an arrangement for extracting a video image in real time from an arbitrary background and creating a stream of extracted image data in response thereto and a free space or volumetric display operationally adapted to display the stream.

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WJB Initials WJB Dated: May 23, 2013