

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
David Birnbaum et al.)	Examiner: Sherman, Stephen G.
)	
Application No. 13/472,709)	Art Unit: 2629
)	
Filed: May 16, 2012)	
)	Confirmation No. 3739
For: INTERACTIVITY MODEL FOR SHARED)	
FEEDBACK ON MOBILE DEVICES)	
)	

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

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Sir:

In response to the Office Action mailed July 19, 2012, Applicants respectfully request the Examiner enter the following amendments and consider the following remarks.

CERTIFICATE OF ELECTRONIC FILING

I hereby certify that this correspondence is being deposited via electronic filing through the United States Patent and Trademark Electronic Filing System on:

August 2, 2012
Date of Deposit

Dawn Rose
(Type or print name of person mailing paper)

/Dawn Rose/
(Signature of person mailing paper)

August 2, 2012
Date

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of producing a haptic effect comprising:
receiving a device sensor signal;
receiving a gesture signal;
generating [[an]] a dynamic interaction parameter using the device sensor signal and the gesture signal; and
applying a drive signal to a haptic output device according to the dynamic interaction parameter.
2. (Original) The method of claim 1 wherein the gesture signal comprises a vector signal.
3. (Original) The method of claim 1 wherein the gesture signal comprises an on-screen signal.
4. (Currently Amended) The method of claim 1 wherein generating [[an]] a dynamic interaction parameter comprises generating [[an]] a dynamic interaction parameter from a combination of the device sensor signal and the gesture signal.
5. (Currently Amended) The method of claim 1 wherein generating [[an]] a dynamic interaction parameter comprises generating [[an]] a dynamic interaction parameter using the device sensor signal and the gesture signal and a physical model.
6. (Currently Amended) The method of claim 1 wherein generating [[an]] a dynamic interaction parameter comprises generating [[an]] a dynamic interaction parameter using the device sensor signal and the gesture signal and an animation.

7. (Original) The method of claim 1 wherein the sensor signal comprises an accelerometer signal.
8. (Original) The method of claim 1 wherein sensor signal comprises a gyroscope signal.
9. (Original) The method of claim 1 wherein sensor signal comprises an ambient signal.
10. (Original) The method of claim 1 wherein sensor signal comprises a virtual sensor signal.
11. (Currently Amended) A haptic effect enabled system comprising:
 - a haptic output device;
 - a drive module electronically coupled to the haptic output device for receiving a device sensor signal, receiving a gesture signal, and generating a dynamic interaction parameter using the device sensor signal and the gesture signal; and
 - a drive circuit electronically coupled to the drive module and the haptic output device for applying a drive signal to the haptic output device according to the dynamic interaction parameter.
12. (Original) The system of claim 11 wherein the gesture signal comprises a vector signal.
13. (Original) The system of claim 11 wherein the gesture signal comprises an on-screen signal.

14. (Currently Amended) The system of claim 11 wherein the drive module comprises a drive module for generating [[an]] a dynamic interaction parameter from a combination of the device sensor signal and the gesture signal.

15. (Currently Amended) The system of claim 11 wherein the drive module comprises a drive module for generating [[an]] a dynamic interaction parameter using the device sensor signal and the gesture signal and a physical model.

16. (Currently Amended) The system of claim 11 wherein the drive module comprises a drive module for generating [[an]] a dynamic interaction parameter using the device sensor signal and the gesture signal and an animation.

17. (Original) The system of claim 11 wherein the device sensor signal comprises an accelerometer signal.

18. (Original) The system of claim 11 wherein the device sensor signal comprises a gyroscope signal.

19. (Original) The system of claim 11 wherein the device sensor signal comprises an ambient signal.

20. (Original) The system of claim 11 wherein the device sensor signal comprises a virtual sensor signal.

21. (Withdrawn) A method of producing a haptic effect comprising:

enabling a communication link between a first device having a first haptic output device and a second device having a second haptic output device;

receiving a first signal from the first device and communicating it to the second device via the communication link;

generating an interaction parameter using the first signal; and

concurrently applying a drive signal to the first haptic output device and the second haptic output device according to the interaction parameter.

22. (Withdrawn) The method of claim 21 further comprising:

receiving a second signal from the second device and communicating it to the first device via the communication link; and

wherein generating an interaction parameter comprises generating an interaction parameter using the first signal and the second signal.

23. (Withdrawn) The method of claim 21 wherein the first signal comprises a vector signal.

24. (Withdrawn) The method of claim 21 wherein the first signal comprises an on-screen signal.

25. (Withdrawn) The method of claim 22, wherein generating an interaction parameter comprises generating an interaction parameter from a combination of the first signal and the second signal.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.