



US 20100231540A1

(19) **United States**

(12) **Patent Application Publication**

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(10) **Pub. No.: US 2010/0231540 A1**

(43) **Pub. Date: Sep. 16, 2010**

(54) **SYSTEMS AND METHODS FOR A TEXTURE ENGINE**

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(21) Appl. No.: **12/697,010**

(22) Filed: **Jan. 29, 2010**

Related U.S. Application Data

(60) Provisional application No. 61/159,482, filed on Mar. 12, 2009, provisional application No. 61/262,041, filed on Nov. 17, 2009, provisional application No. 61/262,038, filed on Nov. 17, 2009.

Publication Classification

(51) **Int. Cl.**
G06F 3/041 (2006.01)

(52) **U.S. Cl.** **345/173**

(57) **ABSTRACT**

Systems and methods for a texture engine are disclosed. For example, one disclosed system includes: a processor configured to receive a display signal including a plurality of pixels, determine a haptic effect comprising a texture, and transmit a haptic signal associated with the haptic effect to an actuator in communication with the processor, the actuator configured to receive the haptic signal and output the haptic effect.

