



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0154214 A1**

**Scallie et al.**

(43) **Pub. Date:**

**Oct. 24, 2002**

(54) **VIRTUAL REALITY GAME SYSTEM USING PSEUDO 3D DISPLAY DRIVER**

(52) **U.S. Cl.** ..... **348/51**

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(57) **ABSTRACT**

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A virtual reality game system and method uses pseudo drivers to generate stereo vision outputs for a 3D stereoscopic display from game software normally intended for output to a 2D display of a conventional game console or PC. The Pseudo Drivers can convert the game data output of 3D video game software written in different application programming interface (API) formats commonly used for PC games to "stereo vision", thereby allowing hundreds of existing 3D games to be played on a virtual reality game system. The intercepted 3D game data can be stored in a 3D data recorder for later play back. The 3D game data can also be transmitted or downloaded to a remote player through an online interface. The intercepted 3D game data can be combined with other 3D content through a mixer and dual rendering system, which facilitates control of the 3D display before, during, and after a game, and particularly when switching between different games. The Pseudo Driver for the 3D display can be operated in tandem with other pseudo drivers such as for stereo sound and/or directional force feedback.

(21) **Appl. No.:** **10/011,027**

(22) **Filed:** **Nov. 2, 2001**

**Related U.S. Application Data**

(60) **Provisional application No. 60/244,795, filed on Nov. 2, 2000.**

**Publication Classification**

(51) **Int. Cl.<sup>7</sup>** ..... **H04N 13/04**

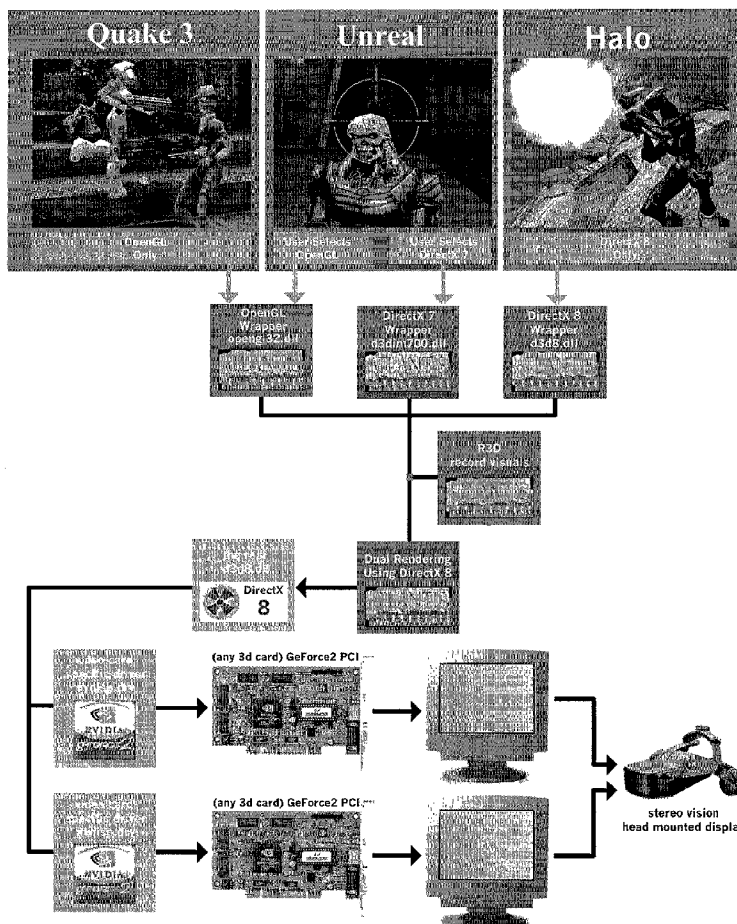


FIG. 1A

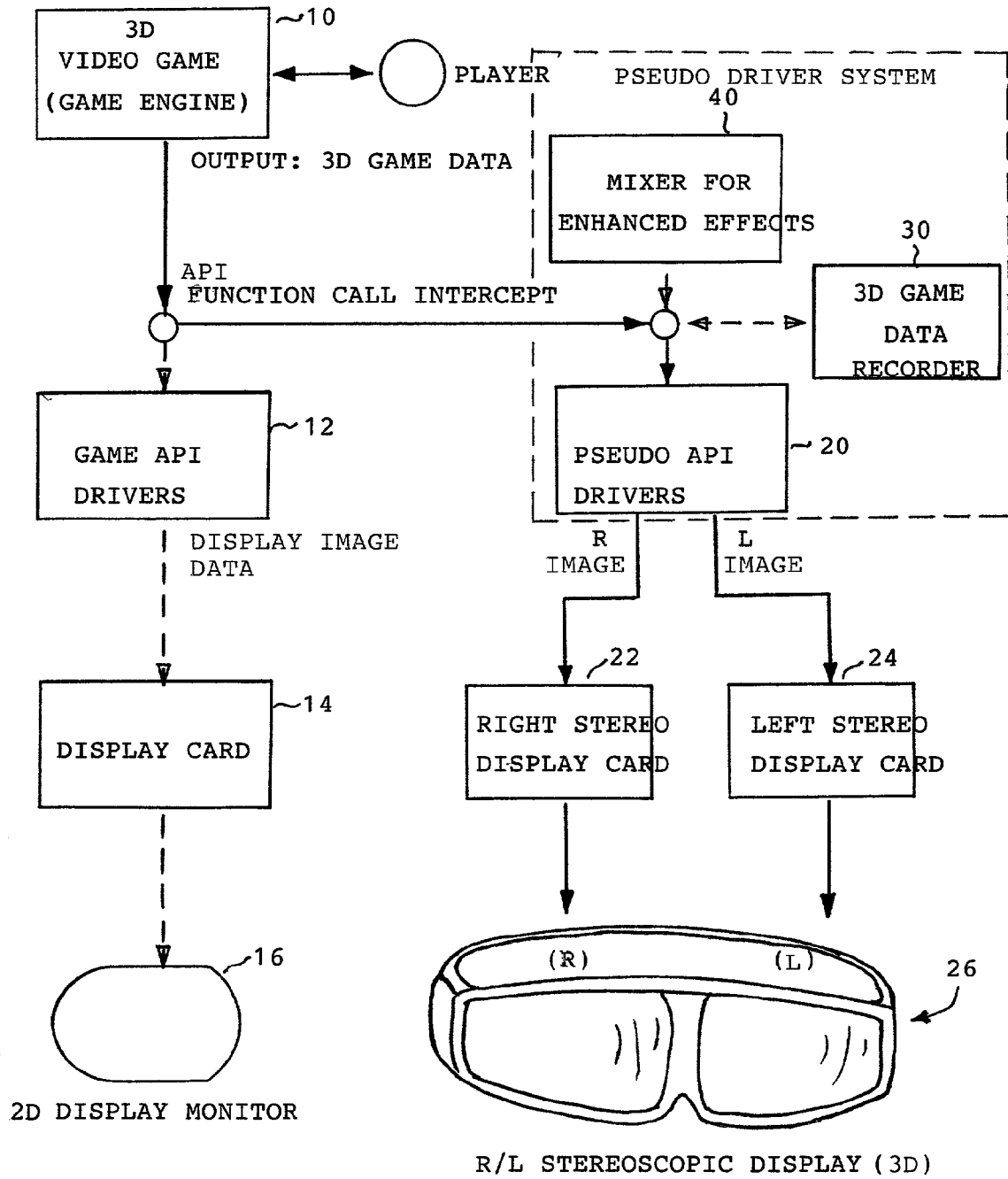


FIG. 1B

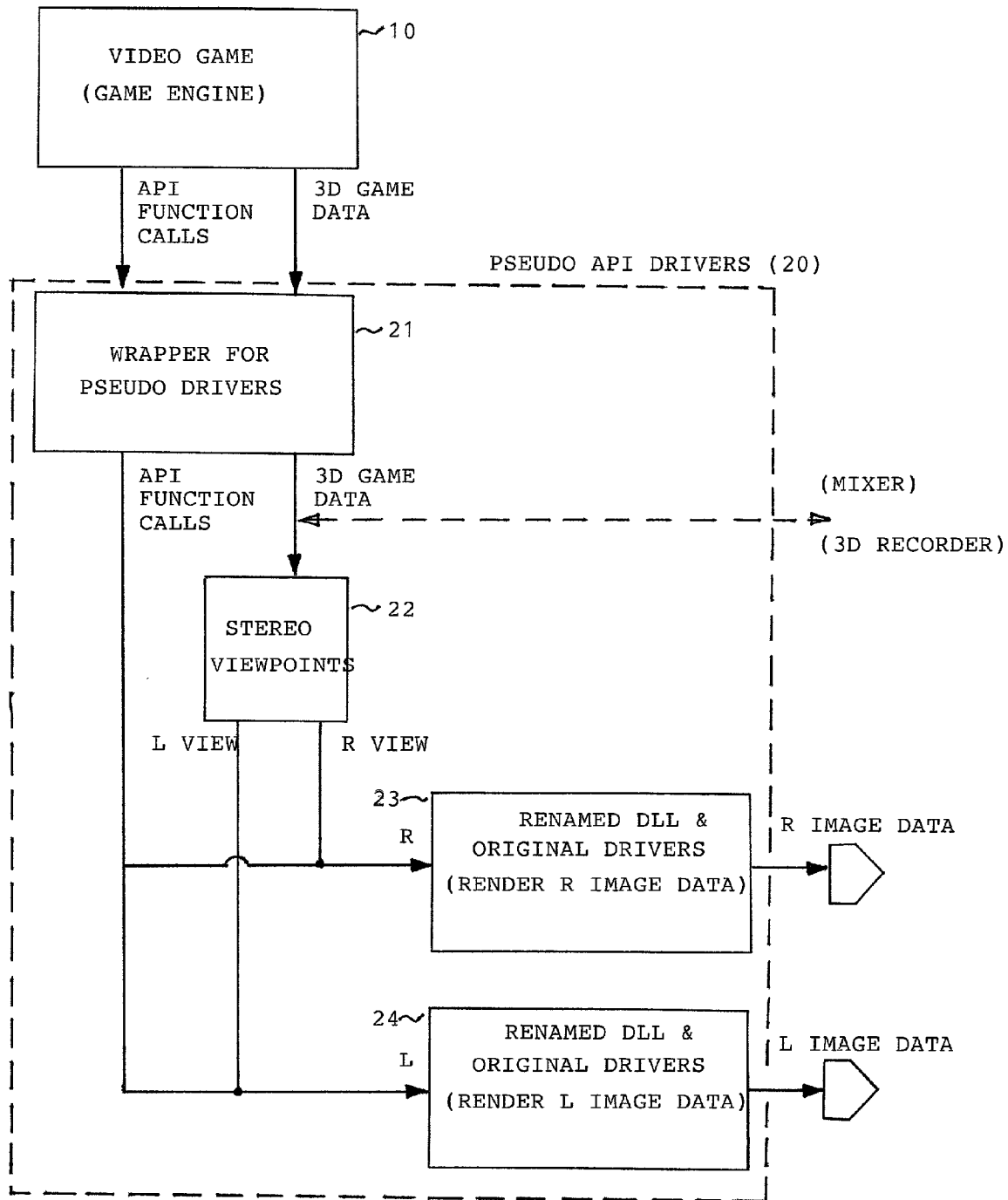


FIG. 2A  
(PRIOR ART)

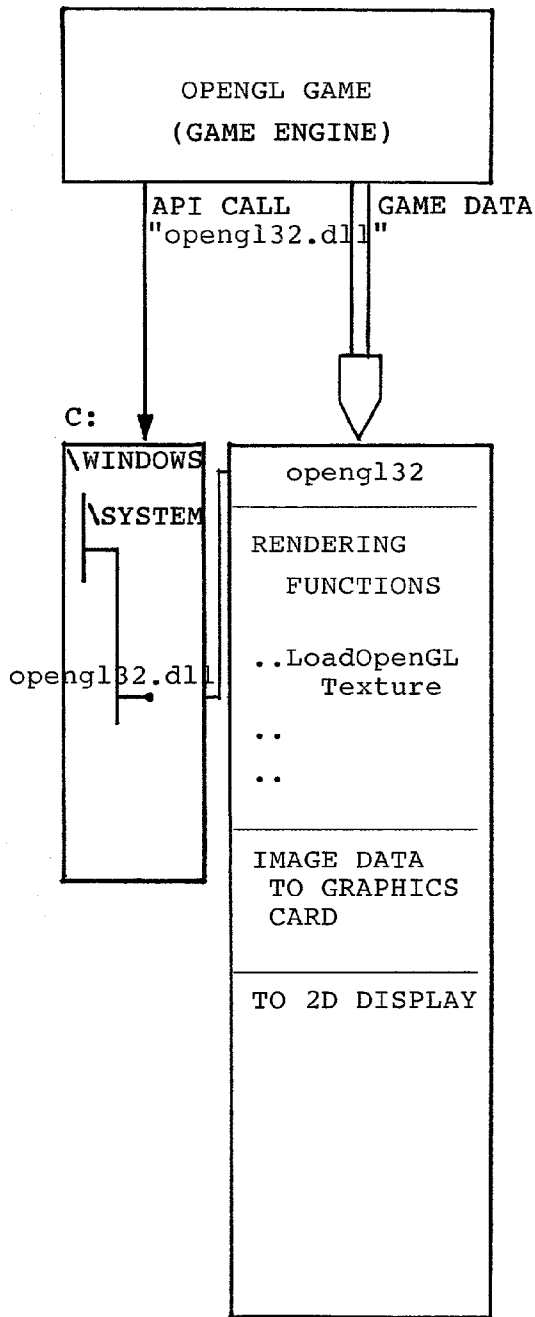


FIG. 2B

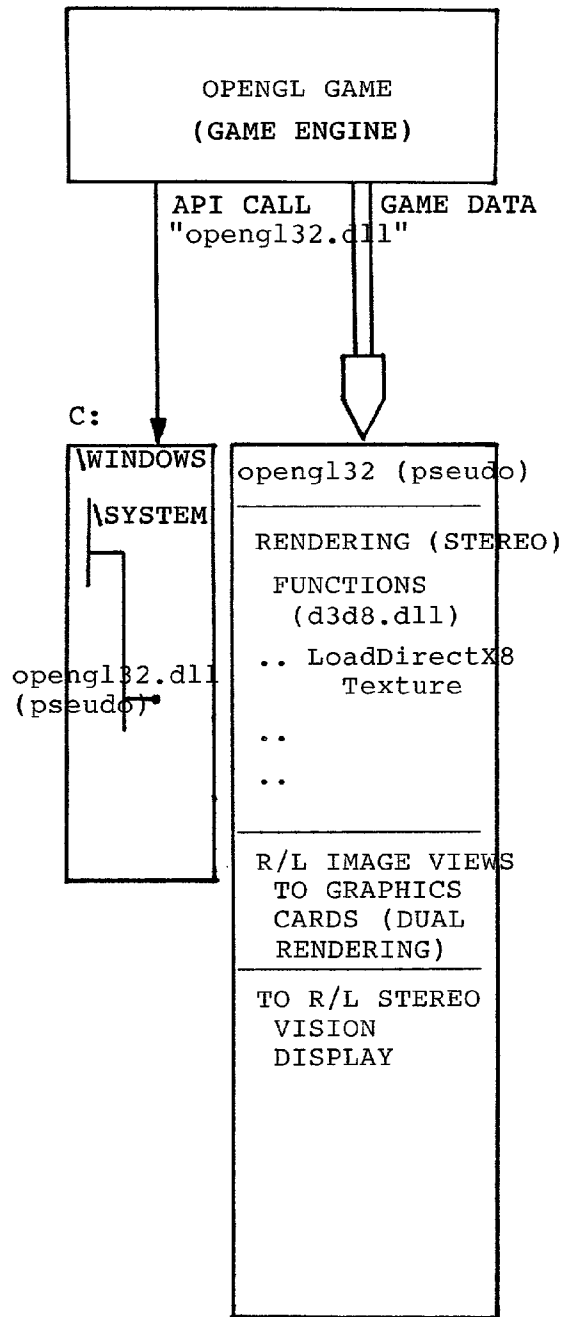


FIG. 3A  
(PRIOR ART)

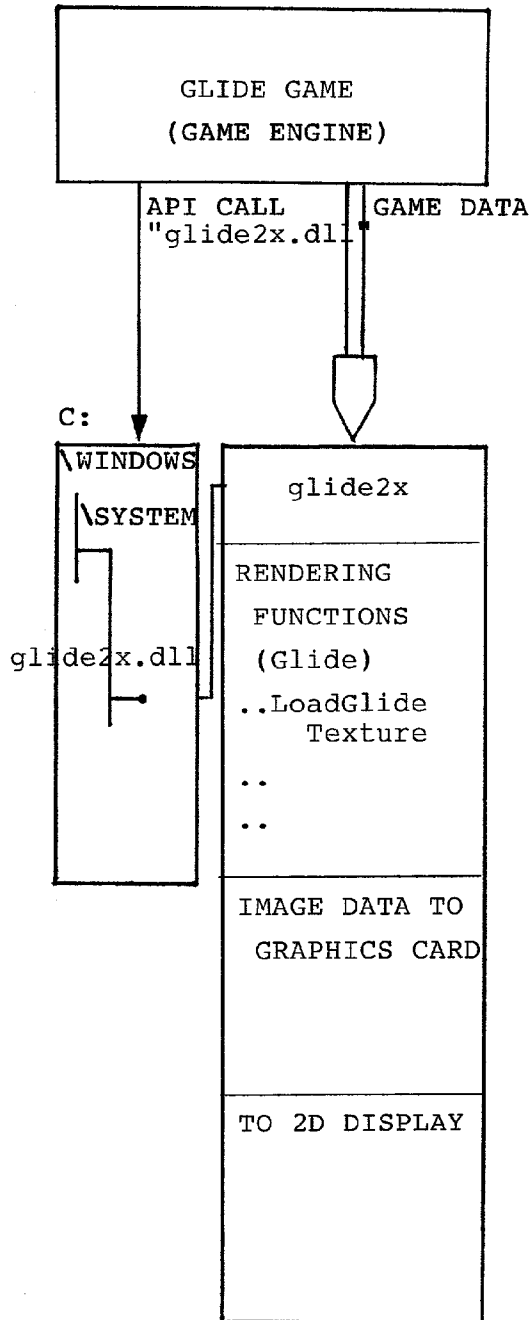
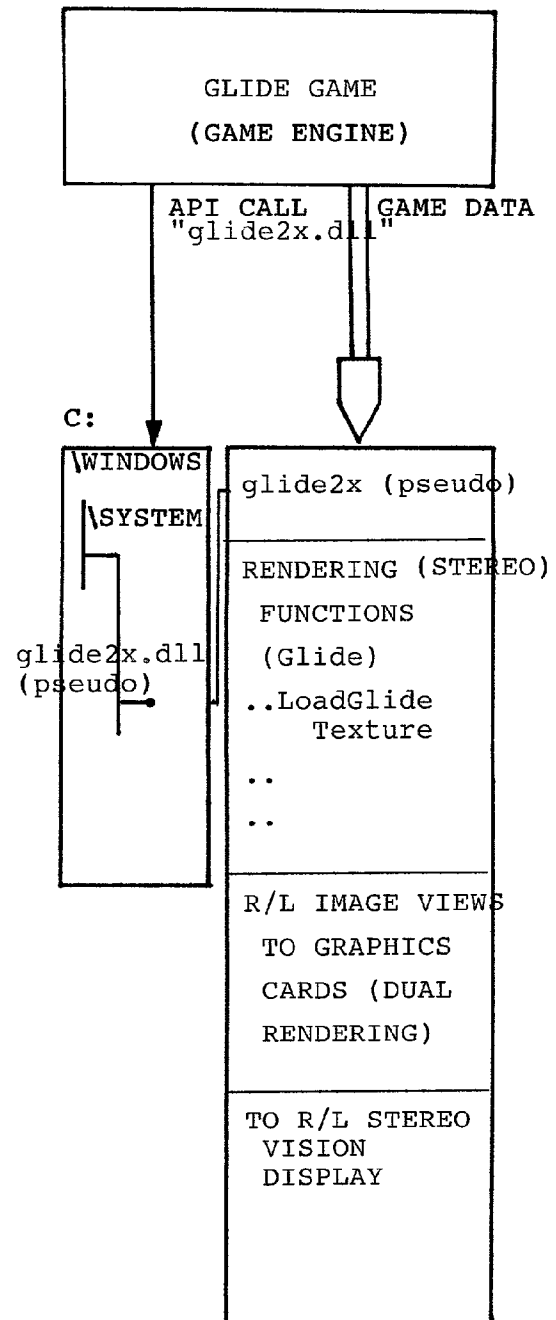


FIG. 3B



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