



US006831677B2

(12) **United States Patent**  
**Peleg et al.**

(10) **Patent No.:** **US 6,831,677 B2**  
(45) **Date of Patent:** **Dec. 14, 2004**

(54) **SYSTEM AND METHOD FOR FACILITATING THE ADJUSTMENT OF DISPARITY IN A STEREOSCOPIC PANORAMIC IMAGE PAIR**

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,665,003 B1 \* 12/2003 Peleg et al. .... 348/36

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\* cited by examiner

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(57) **ABSTRACT**

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 640 days.

A system for generating a stereoscopic panoramic image pair having left and right panoramic mosaic images for use in facilitating stereoscopic viewing of a panoramic scene, the system comprising a panoramic image generator and a strip separation value generation module. The panoramic image generator is configured to mosaic together respective left and right image strips from respective ones of a plurality of images to form the respective left and right panoramic images. The panoramic image generator is configured to use strip separation values for the respective images to determine the separation of the respective left and right image strips in generating the respective left and right panoramic images. The strip separation value generation module is configured to generate, for respective ones of said images, the strip separation values so as to provide at least one selected disparity for objects in the panoramic scene.

(21) Appl. No.: **09/792,638**

(22) Filed: **Feb. 24, 2001**

(65) **Prior Publication Data**

US 2001/0038413 A1 Nov. 8, 2001

**Related U.S. Application Data**

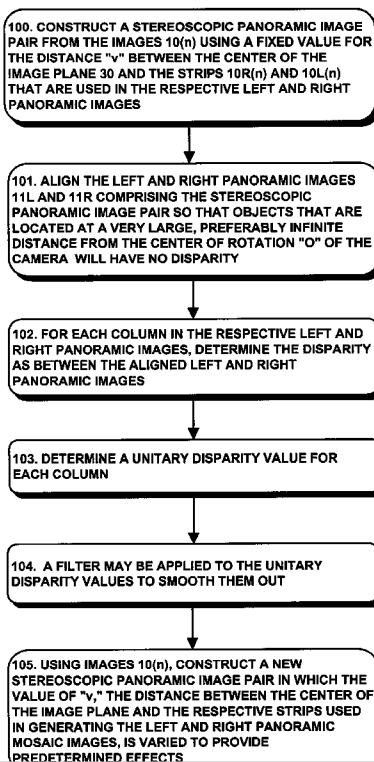
(60) Provisional application No. 60/184,589, filed on Feb. 24, 2000.

(51) **Int. Cl.**<sup>7</sup> ..... **H04N 7/00**

(52) **U.S. Cl.** ..... **348/36; 348/46**

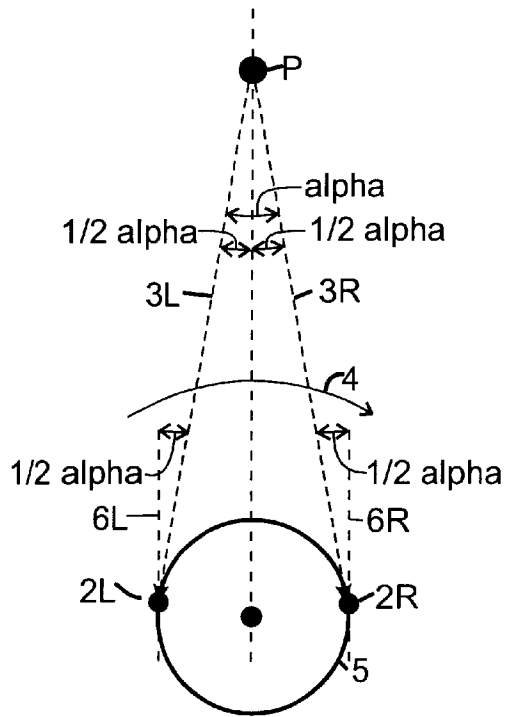
(58) **Field of Search** ..... **348/36, 42, 43, 348/44, 46, 47; 382/154, 294; H04N 7/00**

**25 Claims, 5 Drawing Sheets**

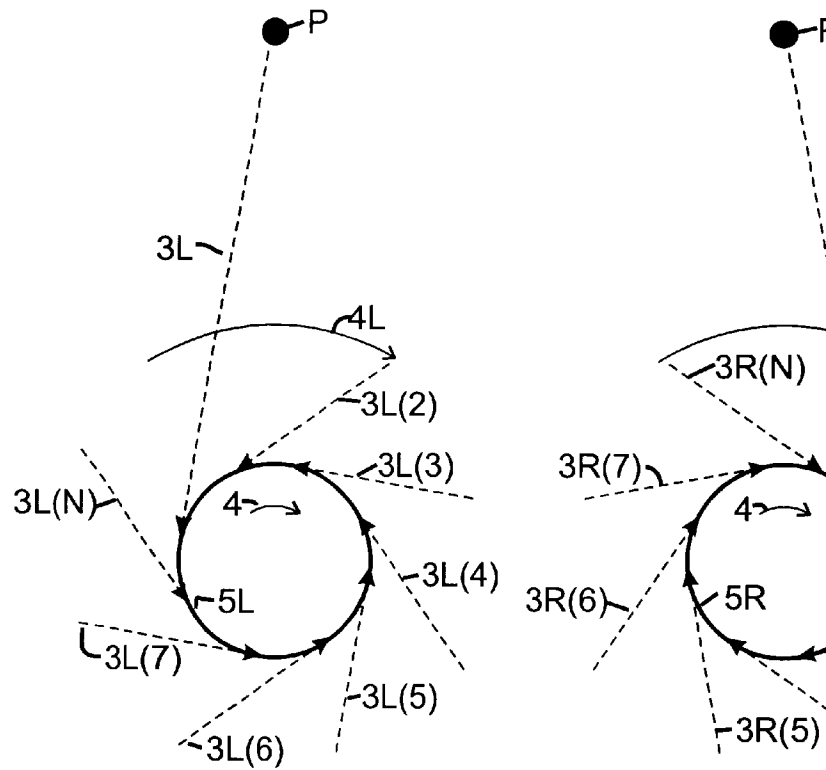


Petition for *Inter Partes* Review  
of U.S. Pat. No. 7,477,284  
**IPR2013-00219**  
EXHIBIT

Petition for *Inter Partes* Review  
of U.S. Pat. No. 6,665,003  
**IPR2013-00218**  
EXHIBIT



**FIG. 1A**



**FIG. 1B**

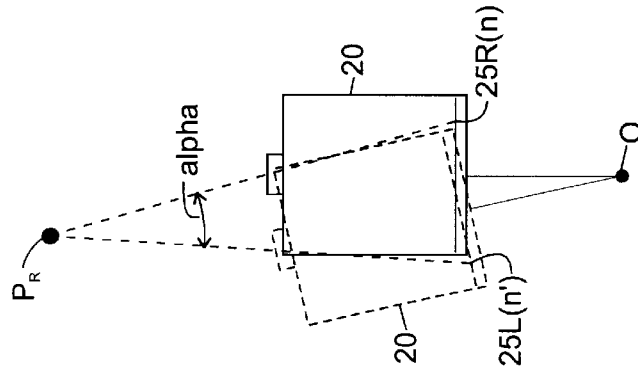


FIG. 2C

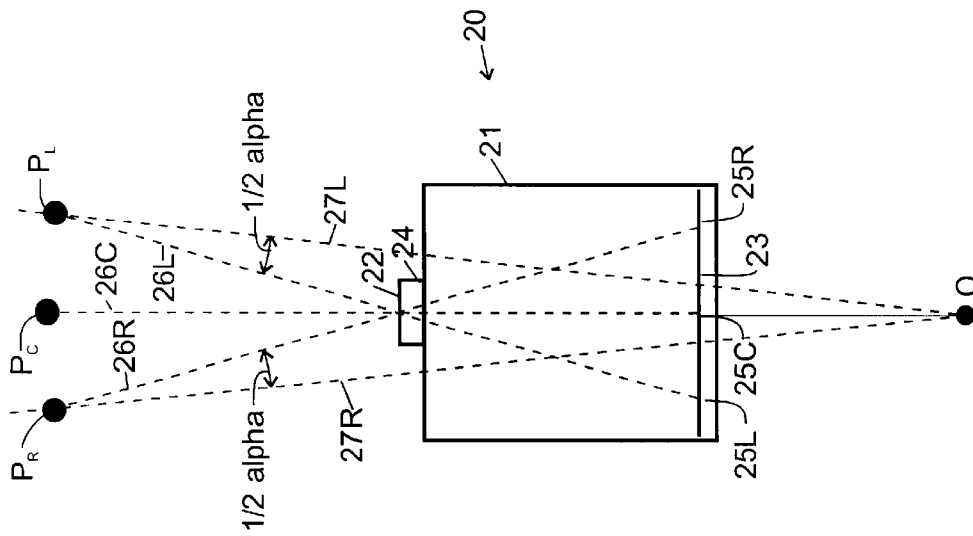
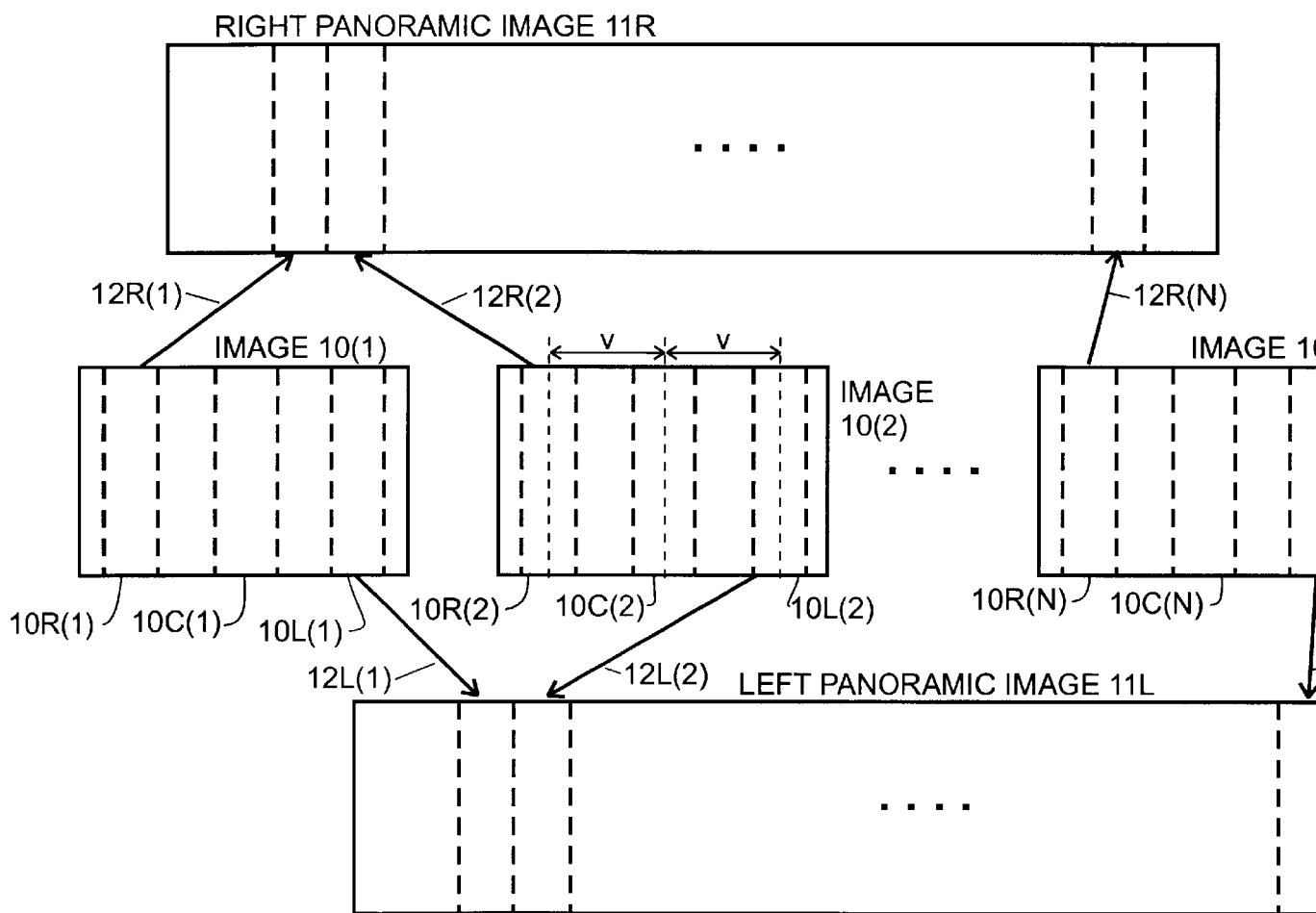
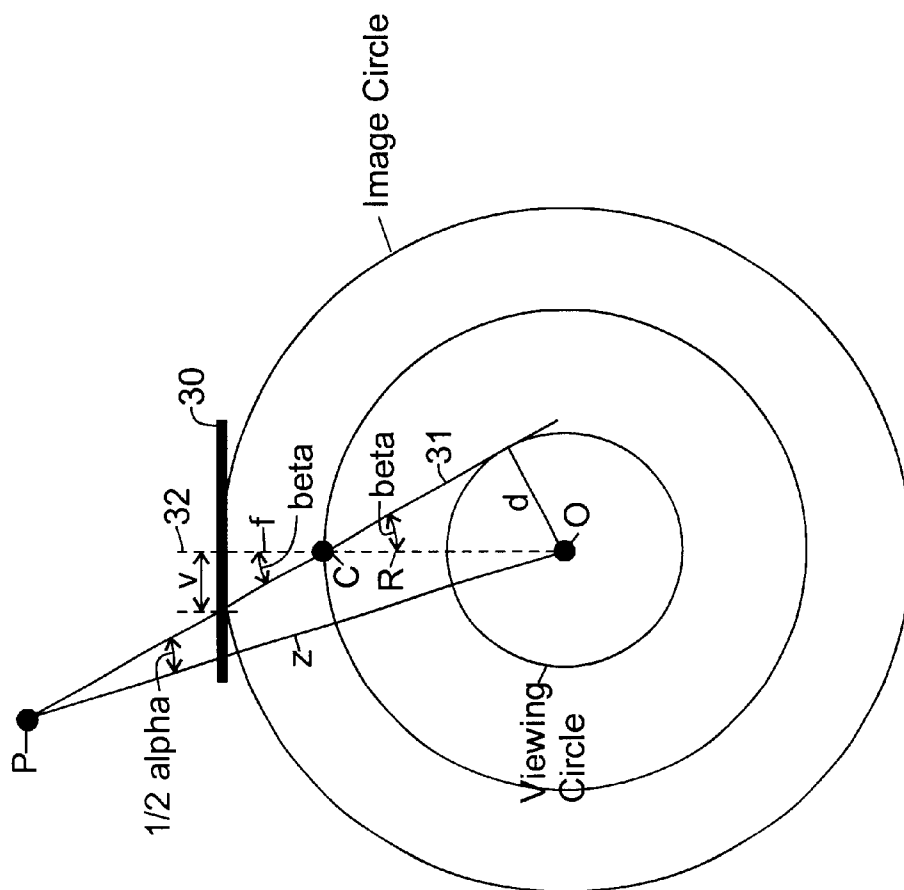


FIG. 2A



***FIG. 2B***



**FIG. 3**

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