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- (71) **Applicant and**
- (72) **Inventor:** CHRISTENSEN, Dennis [US/US]; 4500  
Truxel Road, #936, Sacramento, CA 95834 (US).
- (74) **Agents:** MCNELIS, John, T. et al.; Fenwick & West  
LLP, Silicon Valley Center, 801 California Street, Moun-  
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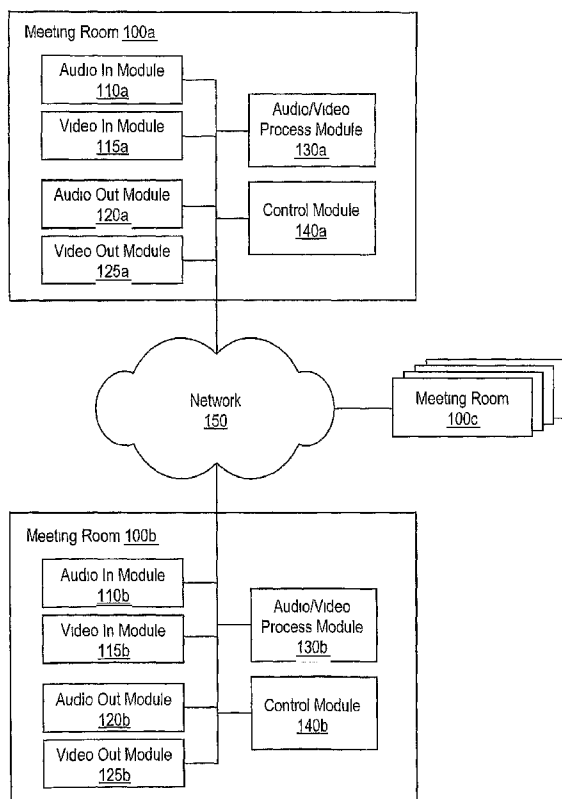
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(54) **Title:** VISUAL AND AURAL PERSPECTIVE MANAGEMENT FOR ENHANCED INTERACTIVE VIDEO TELEPRESENCE



(57) **Abstract:** A system and method to establish a sense of physical presence for group teleconferences. The system and method captures video signals of a first group of participants of a teleconference, processes the video signals to eliminate foreshortening and parallax effects, and displays the processed video signals to a second group of participants of the teleconference so that each participant of the first group is displayed in or close to life-size. When a target participant is identified from the first group, the system and method captures video signals of the second group from a location proximate to the position of the video display of the target participant's eyes. The system and method processes the video signals to compensate foreshortening and parallax errors, and displays the processed video signals to the first group so that each participant of the second group is displayed in or close to life-size.

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## INTERNATIONAL SEARCH REPORT

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|---|--|----------------------|
| <b>A CLASSIFICATION OF SUBJECT MATTER</b><br>IPC(8) - H04N 5/232 (2006 01)<br><b>USPC - 348/21 1</b><br>According to International Patent Classification (IPC) or to both national classification and IPC   |  |                      |
| <b>B FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>1PC(8) H04N 5/232, 5/14, 5/262, 9/64 (2006 01)<br>USPC - 348/21 1 12, 14 08, 14 09, 14 1, 14 16, 575, 583, 604, 379/260, 202 01, 203 01, 204 01, 205 01, 206 01, 370/265, 358/160, 22, 183, 364/522 521, 340/727, 729<br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>MicroPatent (USG USA EPA EPB WO JP DEG DEA DET DEU GBA FRA) foreshorten*5, (video or display*5 or signal's) with (position*5 or plac*5 or locat*5 or proxmat*5) with (eye*1 or fac*3 or head*1), IP com (Search for concept) foreshortening and parallax and effects, DialogPro (Global Patents, General Research) foreshorten |  |                      |
| <b>C DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |                      |
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No |
| X   | US 6,275,258 B 1 (CHIM) 14 August 2001 (14 08 2001) entire document  | 1-3, 5-6 9-12 and 14 |
| ---   |  | -----                |
| Y   |  | 4, 7-8, 13 and 15-17 |
| Y   | GB 2 384 379 A (BOND) 23 July 2003 (23 07 2003) entire document  | 4, 7-8, 13 and 15-17 |
| A   | WO 92/01996 A 1 (BUCKLER et al) 6 February 1992 (06 02 1992) entire document   | 1-17                 |
| A   | US 4,667,236 A (DRESDNER) 19 May 1987 (19 05 1987) entire document   | 1-17                 |
| A   | US 6,714,234 B 1 (HILLIS et al) 30 March 2004 (30 03 2004) entire document   | 1-17                 |
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