(57) Abstract: An optical fiber-based distribution system for converting color video and stereo audio electrical signals for transmission over the fewest possible number of optical fiber cables and for then re-converting such signals back to electrical format for use at each projection room in a multi-theater complex. The color video signals include the red R, green G and blue B color video signals and attendant synchronization signals, horizontal sync H and vertical sync V. The audio signals include left L and right R channel stereo signals. The five electrical video signals R, G, B, V, H are converted in an RGB transmitter to three distinct optical signals for transmission over three fiber optic cables and the two electrical audio stereo signals L, R are converted in a stereo audio transmitter for transmission over one fiber optic cable. The three optical signals from the RGB transmitter are then re-converted in a remote receiver back into the R, G, B, V, H electrical signals while the one optical signal from the stereo audio transmitter is re-converted in a remote receiver back into the L, R electrical signals. Wavelength division multiplexing may be employed to transmit all of the optical signals of video modulation on just one fiber optic cable. Audio modulation optical signals may also be transmitted over the same fiber optic cable using wavelength division modulation.

(54) Title: CINEMA FIBER OPTIC PLATFORM
(88) Date of publication of the international search report:
9 August 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codex and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: H04J 14/00; H04B 10/12,10/00
USPC: 398/66,141,153
According to International Patent Classification (IPC) c. 40 both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S.: 398/66,141,153

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 5,309,564 A (BRADLEY et al) 03 May 1994 (03.05.1994), col. 8, lines 58-69 to col. 9, lines 1-38; col. 10, lines 3-21.</td>
<td>1,5,6,10 and 11</td>
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<td>US 5,309,564 A (BRADLEY et al), 03 May 1994 (03.05.1994), col. 8, lines 58-69 to col. 9, lines 1-38; col. 10, lines 3-21.</td>
<td>2-4, 7-9 and 12-14</td>
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<td></td>
<td>US 5,309,564 A (BRADLEY et al) 03 May 1994 (03.05.1994), col. 8, lines 58-69 to col. 9, lines 1-38; col. 10, lines 3-21.</td>
<td>2-4, 7-9 and 12-14</td>
</tr>
<tr>
<td>A</td>
<td>US 4,863,233 A (NIENABER et al) 05 September 1989 (05.09.1989), col. 2, lines 13-60.</td>
<td>1-14</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:
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Date of the actual completion of the international search
16 February 2007 (16.02.2007)

Date of mailing of the international search report
28 MAR 2007

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Form PCT/ISA/210 (second sheet) (July 1998)
Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: theater or cinema, fiber, red, blue, green, distribution, advertisement