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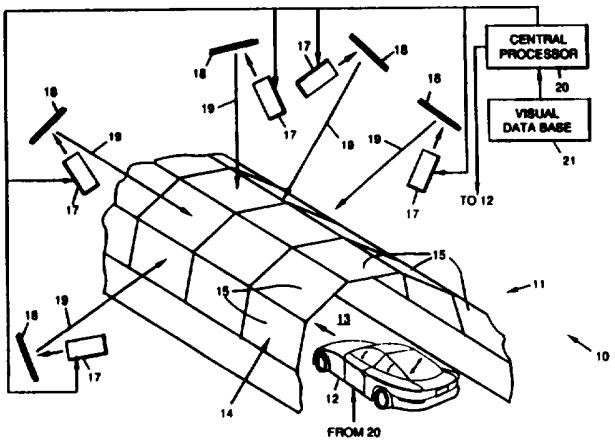
(54) Title: TUNNEL VISION VIDEO DISPLAY SYSTEM

(57) Abstract

A video display system (10) that provides a low cost means by which a high volume of participants may be processed through an interactive video system in a rapid manner. The system is comprised of a darkened serpentine tunnel (13) constructed of flat faceted rear projection screens (15), formed as a series of multi-screen sections (14). Video imagery is projected onto the screens from video projectors (17) using reflecting mirrors (18) disposed on the back side of the screens (15). The screen sections (14) are mated together to form the complete tunnel (13). Participants traverse through the darkened tunnel (13) riding in vehicles (12) that are guided in a manner analogous to automobiles processed through a car wash or a factory assembly line. As each vehicle (12) progresses down the tunnel (13), the projection screens (15) currently surrounding the vehicle are illuminated, together with the preceding and succeeding screen sections (14). As the vehicle transitions from the current section to the forward section, the rearward section is extinguished and the next forward section is illuminated. The image intensity of the forward section is gradually increased as the vehicle approaches, by virtue of the gain characteristics of the projection screens, thus making the transition nearly undetectable. The video display system (10) thus provides the means by which an operator of an amusement park ride or training system may quickly and efficiently process a large number of participants through them. The video display system (10) allows an interactive video system designer to break up participant batch size into much smaller groups, thus minimizing intergroup waiting time and greatly increasing throughput.



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INTERNATIONAL SEARCH REPORT

International Application No PCT/US 93/01612

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all)[6]

According to International Patent Classification (IPC) or to both National Classification and IPC

Int.Cl. 5 G09B9/05; G09B9/32

II. FIELDS SEARCHED

Minimum Documentation Searched[7]

Classification System	Classification Symbols
Int.Cl. 5	G09B ; G03B ; A63F

Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched[8]

III. DOCUMENTS CONSIDERED TO BE RELEVANT[9]

Category °	Citation of Document, [11] with indication, where appropriate, of the relevant passages [12]	Relevant to Claim No.[13]
X	EP,A,0 420 984 (TEATR POLIFONICHESKOI DRAMY) 10 April 1991 see column 3, line 47 - column 4, line 55; claims 1,2,6; figures 4-7 ---	1,3
P,X	EP,A,0 514 045 (HUGHES AIRCRAFT COMP.) 19 November 1992 cited in the application see column 3, line 43 - column 8, line 35; claims 1-8,14; figures 1-3 ---	1
P,X	US,A,5 137 450 (THOMAS,MELVIN L.;US) 11 August 1992 see column 4, line 47 - column 6, line 59; claims 1-5; figures 1-6 ---	1
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IV. CERTIFICATION

Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report
14 OCTOBER 1993	25. 10. 93
International Searching Authority	**Signature of Authorized Officer**
EUROPEAN PATENT OFFICE	GORUN M.

III. DOCUMENTS CONSIDERED TO BE RELEVANT (CONTINUED FROM THE SECOND SHEET)

Category °	Citation of Document, with indication, where appropriate, of the relevant passages	Relevant to Claim No.
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P,A	PATENT ABSTRACTS OF JAPAN vol. 16, no. 323 (P-1386)(5366) 15 July 1992 & JP,A,40 93 984 (TAISEI CORP.) 26 March 1992 see abstract ---	1,3
A	US,A,5 004 225 (KRUKOVSKY,YURI; US) 2 April 1991 see column 3, line 18 - column 3, line 68; claim 1; figures 1,2 ---	1
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ANNEX TO THE INTERNATIONAL SEARCH REPORT ON INTERNATIONAL PATENT APPLICATION NO.

US 9301612
SA 76395

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report.
The members are as contained in the European Patent Office EDP file on
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