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(54) Title: METHOD FOR SCRIPTING INTER-SCENE TRANSITIONS

(57) Abstract: A method for authoring and displaying a virtual tour of a three-dimensional space which employs transitional effects simulating motion. An authoring tool is provided for interactively defining a series of locations in the space for which two-dimensional images, e.g., panoramas, photographs, etc., are available. A user identifies one or more view directions for a first-person perspective viewer for each location. For pairs of locations in the series, transitional effects are identified to simulate smooth motion between the pair of locations. The authoring tool stores data corresponding to the locations, view directions and transitional effects for playback on a display. When the stored data is accessed, a virtual tour of the space is created that includes transitional effects simulating motion between locations. The virtual tour created can allow a viewer to experience the three-dimensional space in a realistic manner.



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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. G06T15/70

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
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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 practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | US 2004/017404 A1 (SCHILERU-KEY RODICA [US]) 29 January 2004 (2004-01-29)<br>abstract; figures 2,3,5,18<br>page 4, paragraph 52 - page 6, paragraph 72   | 1-18                  |
| X         | -----<br>US 2006/132482 A1 (OH BYONG M [US])<br>22 June 2006 (2006-06-22)<br>cited in the application<br>page 3, paragraph 65<br>page 4, paragraph 70 - page 5, paragraph 72<br>page 8, paragraph 102 - page 9, paragraph 104<br>page 10, paragraph 120<br>page 11, paragraph 126<br>page 12, paragraph 132 - paragraph 135<br>-----<br>-/-- | 1-18                  |

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

\* Special categories of cited documents :

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| Name and mailing address of the ISA/<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040,<br>Fax: (+31-70) 340-3016 | Authorized officer<br><br>Błaszczyk, Marek |
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| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |                       |
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| Category*  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
| A  | <p>UYTTENDAELE M., ET AL.: "High-quality Image-based Interactive Exploration of Real-World Environment"<br/>MICROSOFT TECHNICAL REPORT MSR-TR-2003-61, 2003, XP002511672<br/>Redmond WA 98052</p> <p align="center">-----</p> |                       |
| A  | <p>US 2004/183826 A1 (TAYLOR JAIME R [US] ET AL) 23 September 2004 (2004-09-23)</p> <p align="center">-----</p>   |                       |
| A  | <p>US 2003/028848 A1 (CHOI GERALD [CA]) 6 February 2003 (2003-02-06)</p> <p align="center">-----</p>  |                       |

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Information on patent family members

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| Patent document cited in search report | Publication date | Patent family member(s) | Publication date         |
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| US 2004017404                          | A1               | 29-01-2004              | NONE                     |
| US 2006132482                          | A1               | 22-06-2006              | NONE                     |
| US 2004183826                          | A1               | 23-09-2004              | NONE                     |
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