Title (en)
    METHOD AND DEVICE FOR CREATING A TWO-DIMENSIONAL REPRESENTATION OF A THREE-DIMENSIONAL STRUCTURE

Title (de)
    VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG EINER ZWEIDIMENSIONALEN ABBILDUNG EINER DREIDIMENSIONALEN STRUKTUR

Title (fr)
    PROCEDE ET DISPOSITIF POUR REPRESENTER EN DEUX DIMENSIONS UNE STRUCTURE TRIDIMENSIONNELLE

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Application
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Abstract (en)
    [origin: WO2004021274A2] The invention relates to a method and a device for two-dimensionally representing a three-dimensional world, in which rays are combined into packets during ray tracing, and said packets of rays are processed in adequate steps.

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    G06T 15/40; G06T 15/70

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
    See references of WO 2004021274A2

Citation (examination)
• WALD I; BENTHIN C; SLUSALLEK P: "A SIMPLE AND PRACTICAL METHOD FOR INTERACTIVE RAY TRACING OF DYNAMIC SCENES", TECHNICAL REPORT SAARLAND UNIVERSITY, 2000, Saarbrücken, pages 1 - 12, XP001091428
• BRIERE N; POULIN P: "HIERARCHICAL VIEW-DEPENDENT STRUCTURES FOR INTERACTIVE SCENE MANIPULATION", COMPUTER GRAPHICS PROCEEDINGS 1996 (SIGGRAPH). NEW ORLEANS, AUG. 4 -9, 1996, 4 August 1996 (1996-08-04) - 9 August 1996 (1996-08-09), pages 83 - 90, XP000682724
• DAS S K ET AL: "Cost-optimal parallel algorithms for traversing trees", PROCEEDINGS OF SOUTHEASTCON. WILLIAMSBURG, APRIL 7 - 10, 1991; [PROCEEDINGS OF THE SOUTHEAST CONFERENCE], NEW YORK, IEEE, US, vol. -, 7 April 1991 (1991-04-07), pages 474 - 478, XP010045146, ISBN: 978-0-7803-0033-0, DOI: 10.1109/SECON.1991.147799

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