

Title (en)
SYSTEM AND METHOD FOR EFFICIENT MULTI-GPU RENDERING OF GEOMETRY BY PRETESTING AGAINST INTERLEAVED SCREEN REGIONS BEFORE RENDERING

Title (de)
SYSTEM UND VERFAHREN ZUR EFFIZIENTEN MULTI-GPU-DARSTELLUNG VON GEOMETRIE DURCH VORPRÜFUNG GEGEN VERSCHACHELTE BILDSCHIRMBEREICHE VOR DER WIEDERGABE

Title (fr)
SYSTÈME ET PROCÉDÉ DE RENDU EFFICACE MULTI-GPU DE GÉOMÉTRIE PAR PRÉTEST CONTRE DES RÉGIONS D'ÉCRAN ENTRELACÉES AVANT LE RENDU

Publication
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Application
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Priority

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Abstract (en)
[origin: WO2021158483A1] A method for graphics processing. The method including rendering graphics for an application using a plurality of graphics processing units (GPUs). The method including dividing responsibility for the rendering of geometry of the graphics between the plurality of GPUs based on a plurality of screen regions that are interleaved, each GPU having a corresponding division of the responsibility which is known to the plurality of GPUs. The method including assigning a GPU a piece of geometry of an image frame generated by an application for geometry pretesting. The method including performing geometry pretesting at the GPU to generate information regarding the piece of geometry and its relation to each of the plurality of screen regions. The method including using the information at each of the plurality of GPUs when rendering the image frame.

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