Title (en)
METHOD AND A SYSTEM FOR MEASURING THE LATENCY OF A GRAPHICAL DISPLAY OUTPUT

Title (de)
VERFAHREN UND SYSTEM ZUR MESSUNG DER LATENZZEIT EINER GRAFIKANZEIGEAUSGABE

Title (fr)
PROCÉDÉ ET SYSTÈME DE MESURE DE LATENCE D'UNE SORTIE D'AFFICHAGE GRAPHIQUE

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Application
EP 20197801 A 20200923

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Abstract (en)
The present invention concerns a method for measuring the latency of a graphical display output, comprising the following steps:- obtaining, by a processor (5), a time value; - generating, by the processor (5), a time stamp based on the time value; - transmitting, by the processor, the time stamp to a graphics processor unit (7), GPU, rendering, by the GPU (7), a display frame including at least one graphical symbol being based on the time stamp; providing the rendered frame including the at least one graphical symbol to at least one display (10a, 10b); - capturing, by at least one camera (12), at least a portion of the display comprising the at least one graphical symbol (18, 20) of the time stamp;-determining from the at least one captured graphical symbol the rendered time stamp; and- comparing the rendered time stamp with a time reference for obtaining the latency of the graphical display output.

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