Title (en)

MEMORY MANAGEMENT METHOD FOR HIGH SPEED STREAMING DATA PROCESSING IN A COMPUTER DEVICE

Title (de)

SPEICHERVERWALTUNGSVERFAHREN ZUR VERARBEITUNG VON HOCHGESCHWINDIGKEITDATENSTRÖMEN IN EINEM COMPUTER

Title (fr)

GESTION ET MANIPULATION OPTIMALES DE SUPPORT D'EMISSION EN CONTINU A GRANDE VITESSE DANS UN DISPOSITIF INFORMATIQUE

Publication

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Application

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Abstract (en)

[origin: WO0064186A2] A method and apparatus for optimal handling of high bandwidth streaming data in a computer system minimizes computational activities to achieve maximal performance. This performance improvement is accomplished by minimizing the amount of memory copying and also by minimizing the number of allocation and deallocations of objects which occur. A word wise search is performed on an MPEG-2 stream. A pre-parser is used to create a secondary datastream to parallel a MPEG2 datastream during decoding and rendering. The parallel secondary datastream describes the structure of the MPEG2 datastream in an efficient and easy-to-use manner and helps to eliminate duplication of the paser task in various decoder stages. A two-step motion prediction for MPEG2 interpolation case-D will yield visual artifacts if not corrected.

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