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Digital Video Compression

Patent Acquisition Opportunity

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Digital Video Compression Patent



US Patents

One Issued Patent

Technology Areas

The patent is applicable to video encoders and codecs that automatically adjust frame intervals.

Priority Date

The priority date is October 7, 1999.

Applicable Markets

Video Production and Distribution

Bidding Deadline

December 1, 2011

Evidence of Use & Value

GTT Group will provide normalized claim charts and value guidance under NDA.

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Acquisition Opportunity Summary

- The patent describes a method of automatically adjusting the interval between reference frames of a digital video during compression of the video. A video motion value is determined by comparing a sample of a video frame to a previously taken sample of a video frame and if the video motion value exceeds a threshold amount, the reference frame interval is automatically adjusted. In this manner, the method increases the accuracy of encoding subsequent predicted frames such as P and B frames in MPEG compression.
- This invention serves to improve video compression by improving the ability to automatically adjust the reference frame interval during periods of high motion, as well as to improve the overall visual quality of compressed video.

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Market Applicability

- The patent applies to the digital video production market. The invention is a method for automatically adjusting reference frame intervals that is used by video editors during compression of digital video. The digital video production market is expanding rapidly as the popularity of user-generated content continues to grow. Many digital video editors are incorporating the technology because it greatly simplifies the compression of video editing and improves the quality of compressed video.
- The invention could be utilized in any product that is capable of producing a digital video. Some examples include video editing software, devices that record video (e.g. cell phones, tablets, computers with cameras, etc.), and websites that convert video from one format to another. This latter category may be found in video-sharing websites that take user-generated content and convert it to the site's preferred video format.

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Priority Date

- The patent's priority date is particularly strong. It falls between first versions of popular video formats, such as MPEG-1, that do not allow for automatic frame interval spacing and some of the more sophisticated formats that do allow for its use.

Applicability to Standards

- Relevant standards (e.g. MPEG-4) do not specify automatic frame interval spacing but permit it to be done on an implementation-specific level. Manufacturers are currently using the invention in their products as the preferred method for automatically adjusting keyframe intervals.

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Transaction Structure

- The Seller prefers an all-cash transaction. Seller has preferred purchase agreement, which can be provided prior to making offer.

Bidding Deadline

- All offers for the portfolio should be made in writing by December 1, 2011, or earlier.

Submitting an Offer

- Offers should be submitted in writing from an authorized party stating the price offered and any material conditions to closing.

Pricing

- No price floor has been set. Seller reserves the right to accept any offer and refuse any and all offers in its sole and arbitrary discretion. GTT Group is able to provide value guidance to qualified interested parties.

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Non-Notice

- Seller has agreed that the information provided to prospective purchasers throughout this sales campaign will not be used in any legal or administrative proceeding directed to enforcement of any patent associated with the Digital Video Compression Patent.

Evidence of Use & Value Guidance

- GTT Group is prepared to discuss evidence of use and present claim charts to interested parties under Seller approved non-disclosure agreement.
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