

(12) United States Patent

Owen et al.

(54) ELECTRONIC SYSTEM AND METHOD FOR SELECTIVELY ALLOWING ACCESS TO A SHARED MEMORY

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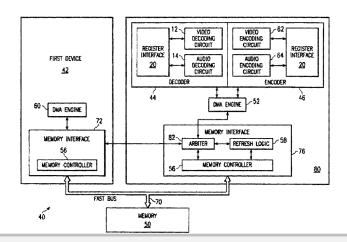
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(57)ABSTRACT

An electronic system, an integrated circuit and a method for display are disclosed. The electronic system contains a first device, a memory and a video/audio compression/decompression device such as a decoder/encoder. The electronic system is configured to allow the first device and the video/ audio compression/decompression device to share the memory. The electronic system may be included in a computer in which case the memory is a main memory. Memory access is accomplished by one or more memory interfaces, direct coupling of the memory to a bus, or direct coupling of the first device and decoder/encoder to a bus. An arbiter selectively provides access for the first device and/or the decoder/encoder to the memory based on priority. The arbiter may be monolithically integrated into a memory interface. The decoder may be a video decoder configured to comply with the MPEG-2 standard. The memory may store predicted images obtained from a preceding image.

17 Claims, 6 Drawing Sheets





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Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

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With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

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