

US 20020005895A1

(19) United States

Patent Application Publication Freeman et al. (10) Pub. No.: US 2002/0005895 A1 (43) Pub. Date: Jan. 17, 2002

(54) DATA STORAGE WITH OVERWRITE

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(21) Appl. No.: **09/947,393**

(22) Filed: Sep. 7, 2001

Related U.S. Application Data

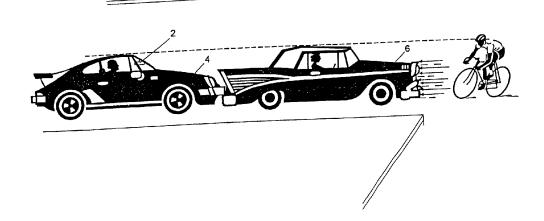
(63) Continuation of application No. 08/906,493, filed on Aug. 5, 1997.

Publication Classification

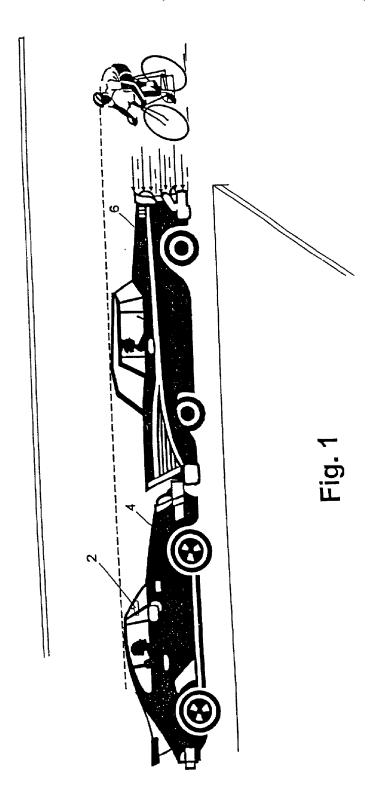
(51) **Int. Cl.**⁷ **H04N 7/18**; H04N 9/47 (52) **U.S. Cl.** **348/143**; 348/149

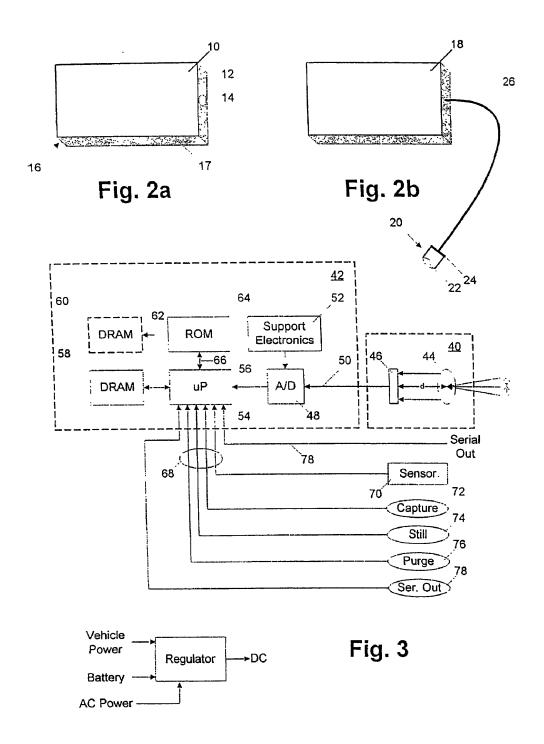
(57) ABSTRACT

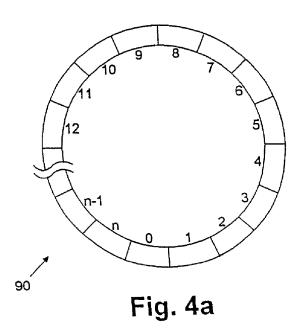
A compact video image recording device for recording video images before and after a triggering event and which utilizes no moving parts is disclosed. The recording device includes at least one camera wherein each camera comprises a lens and a video image sensor. Each video image sensor generates an electronic signal representative of a video image impinging the respective sensor. The output of each image sensor is processed, compressed and generally employed to produce frame data which are successively stored in a successive frame locations of a semiconductor memory organized as a circular buffer memory. Upon the occurrence of a triggering event, a additional frames are stored in the buffer memory and further storage of frames then terminates. A video record is thus created of video images received both before and after the triggering event via a device which contains no moving parts and which can withstand substantial shock and vibration.











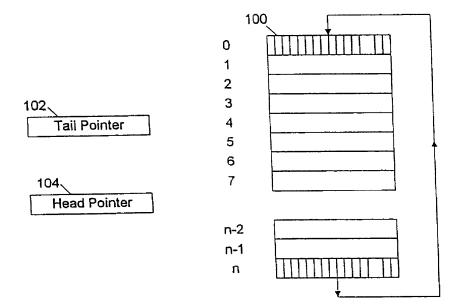
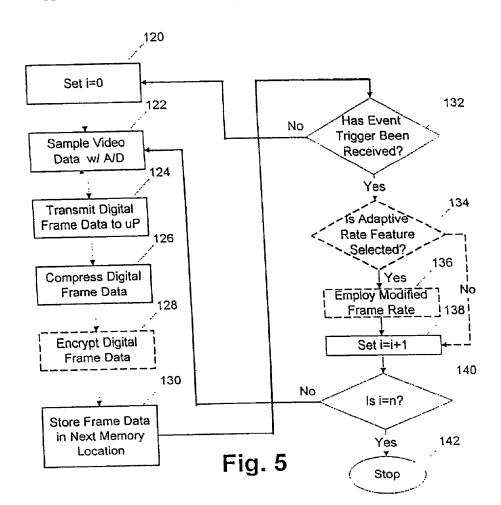


Fig. 4b



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