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**Venetianer et al.**

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(54) **VIDEO SURVEILLANCE SYSTEM  
EMPLOYING VIDEO PRIMITIVES**

(58) **Field of Classification Search** ..... 348/143,  
348/148, 150, 149, 166, 169, 170; 382/103,  
382/115; 375/240.02, 240.08; *H04N 7/18*  
See application file for complete search history.

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**Related U.S. Application Data**

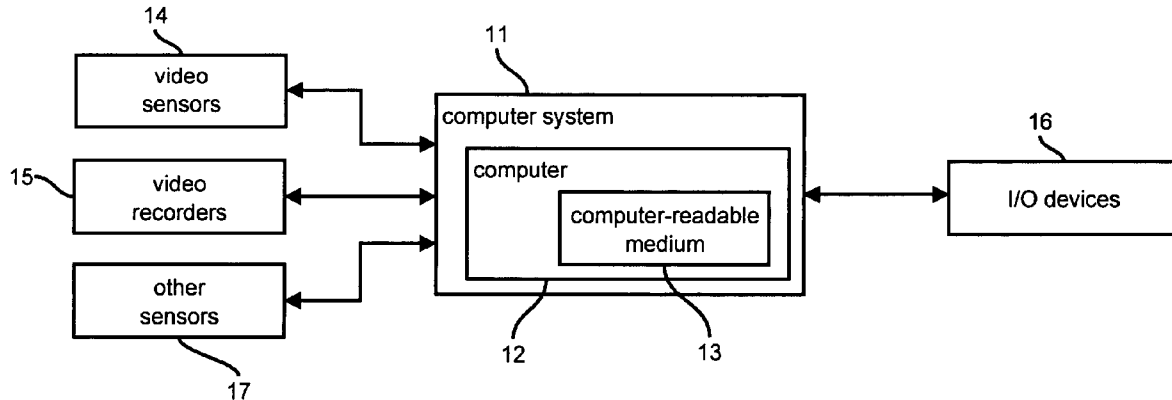
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(57) **ABSTRACT**  
A video surveillance system extracts video primitives and  
extracts event occurrences from the video primitives using  
event discriminators. The system can undertake a response,  
such as an alarm, based on extracted event occurrences.

(52) **U.S. Cl.** ..... **348/143** **22 Claims, 19 Drawing Sheets**



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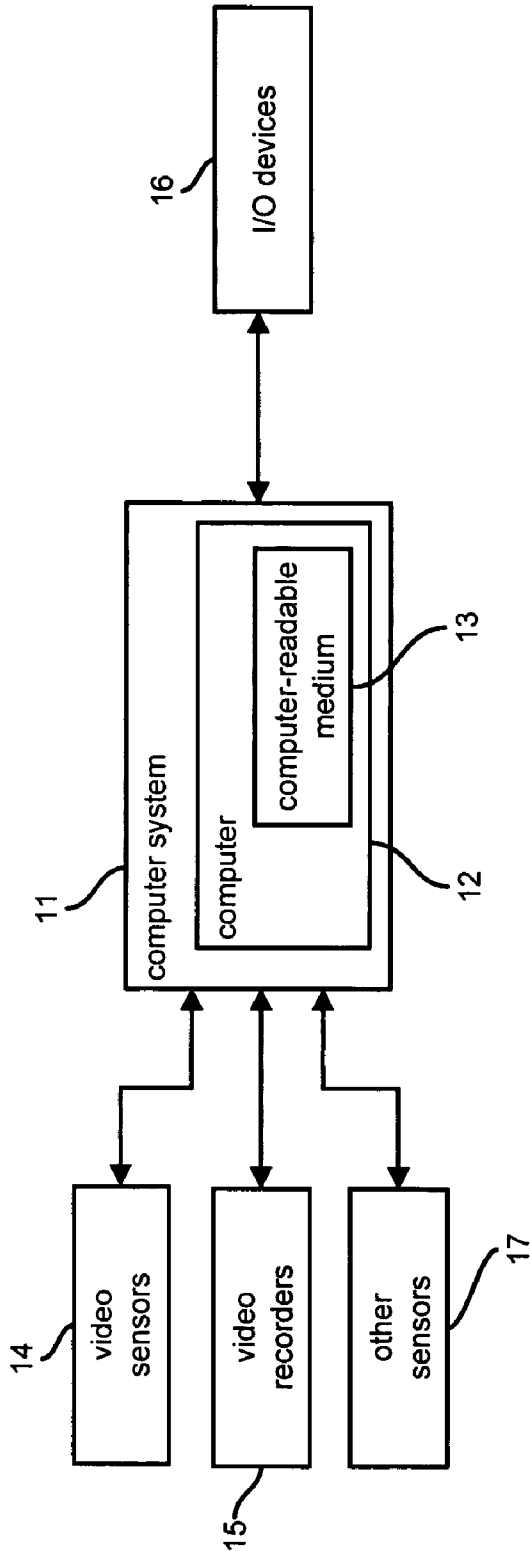


FIG. 1

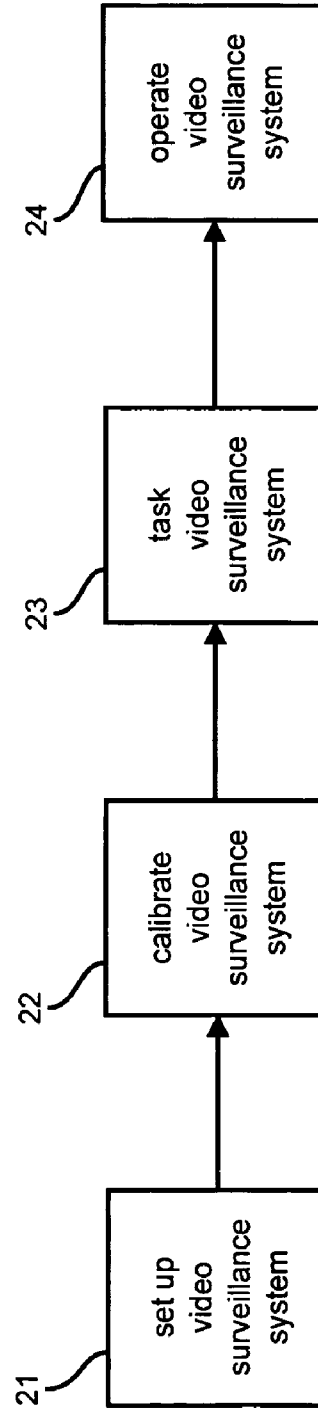


FIG. 2

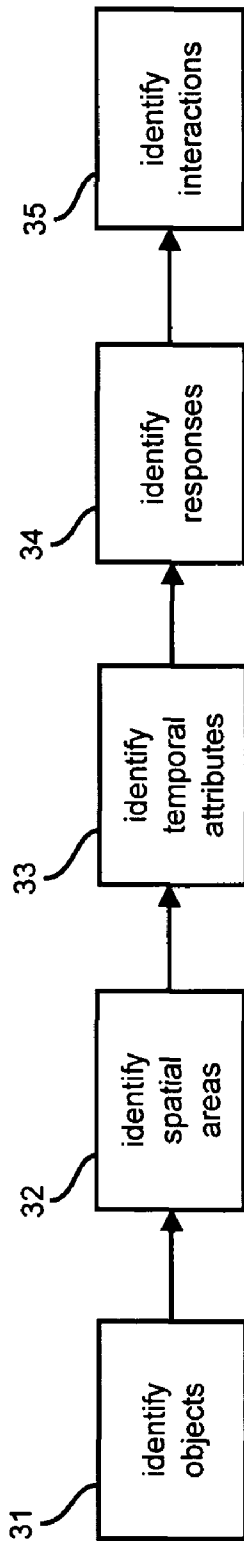


FIG. 3

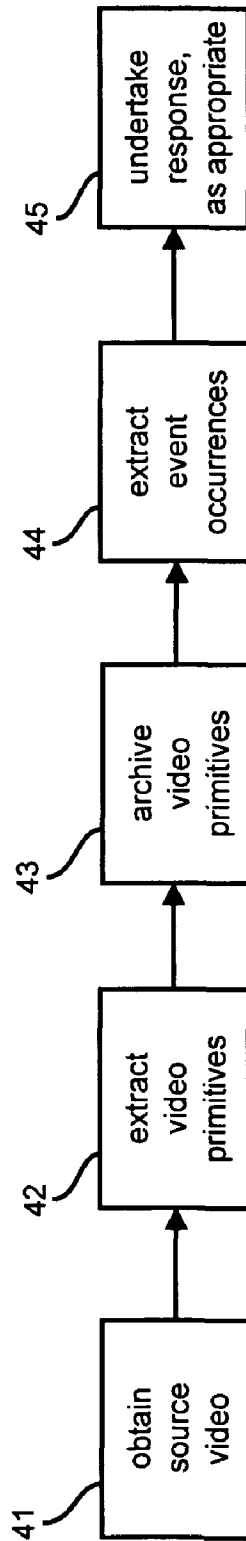


FIG. 4

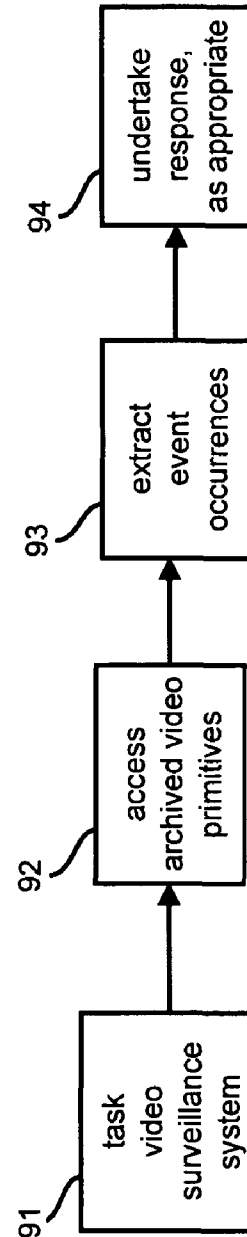


FIG. 9

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