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**Lipton et al.**

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- (54) **VIDEO SURVEILLANCE SYSTEM EMPLOYING VIDEO PRIMITIVES**
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(58) **Field of Classification Search** ..... **375/143, 375/144, 145, 148; H04N 7/18**  
See application file for complete search history.

(57) **ABSTRACT**

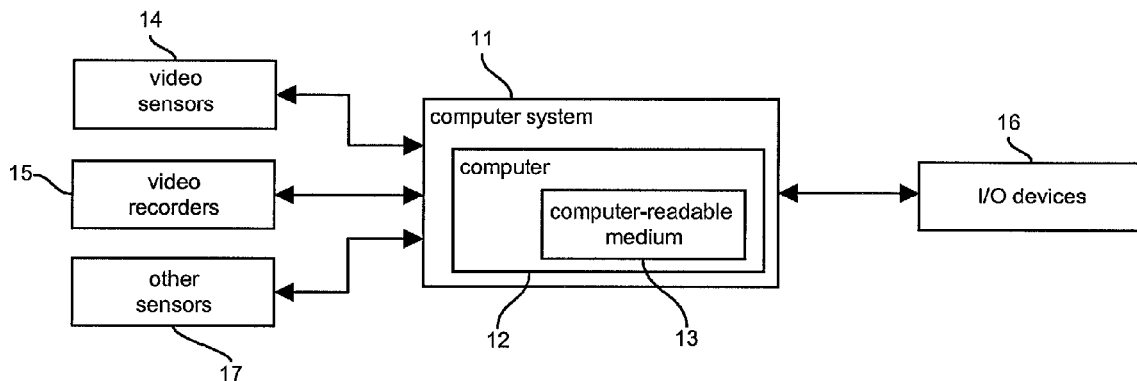
A video surveillance system is set up, calibrated, tasked, and operated. The system extracts video primitives and extracts event occurrences from the video primitives using event discriminators. The system can undertake a response, such as an alarm, based on extracted event occurrences.

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**41 Claims, 7 Drawing Sheets**



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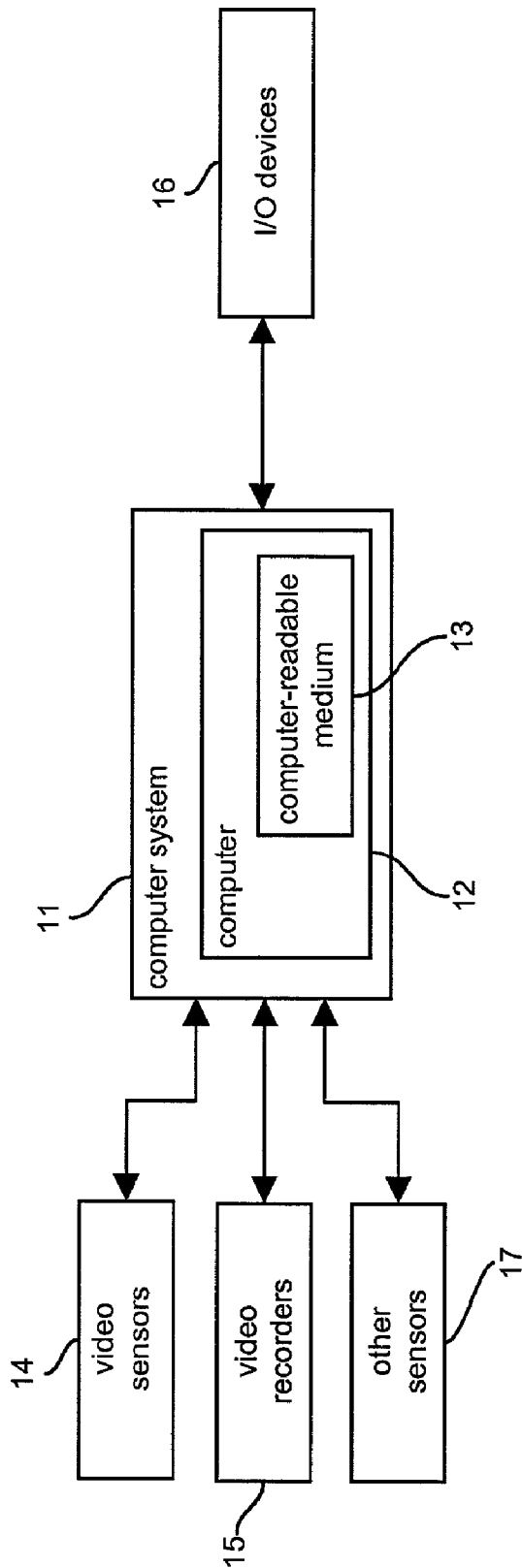


FIG. 1

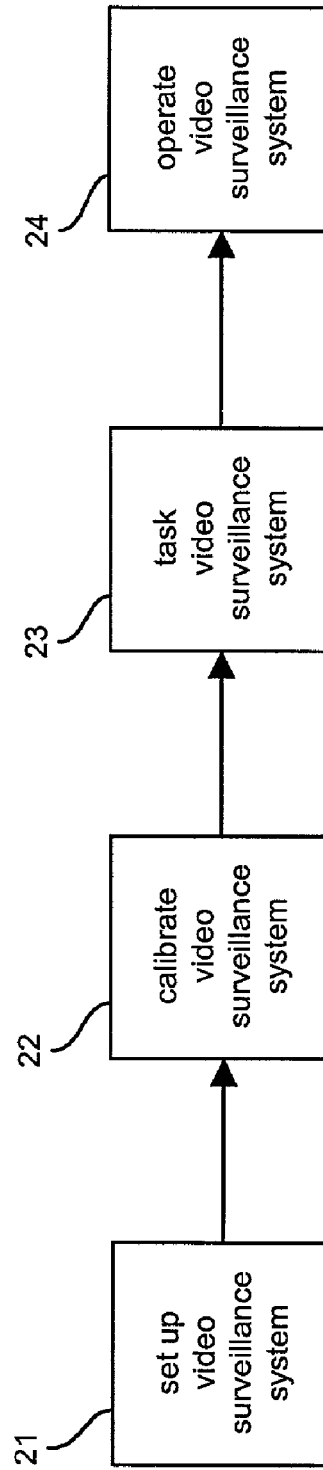


FIG. 2

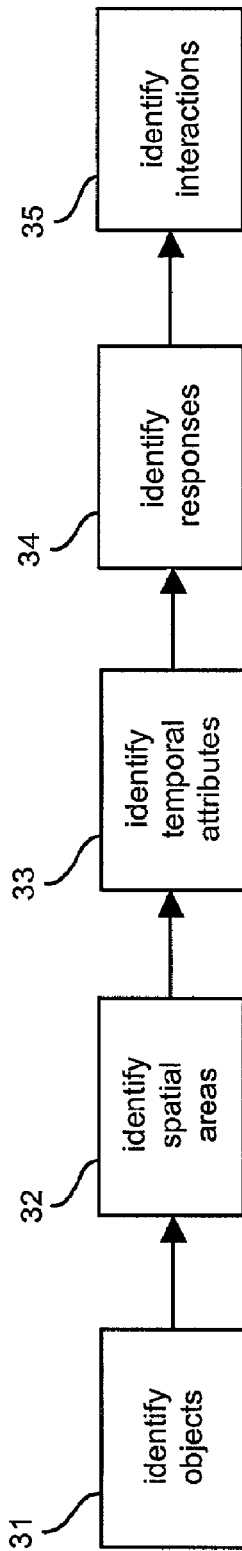


FIG. 3

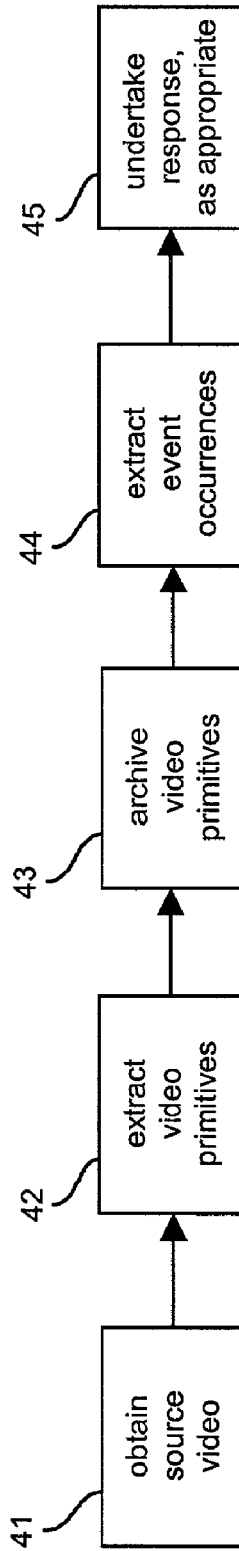


FIG. 4

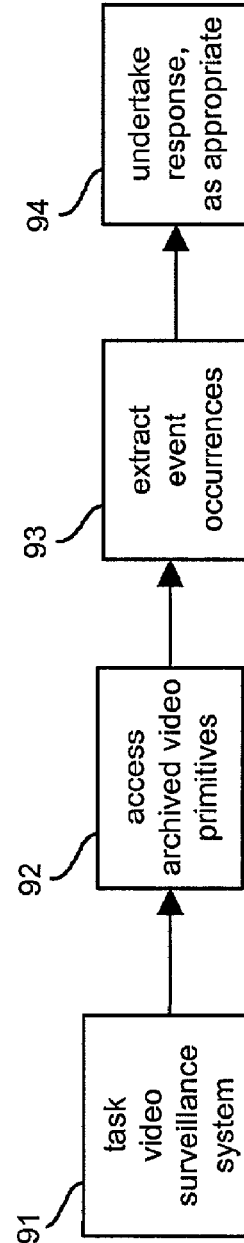


FIG. 9

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