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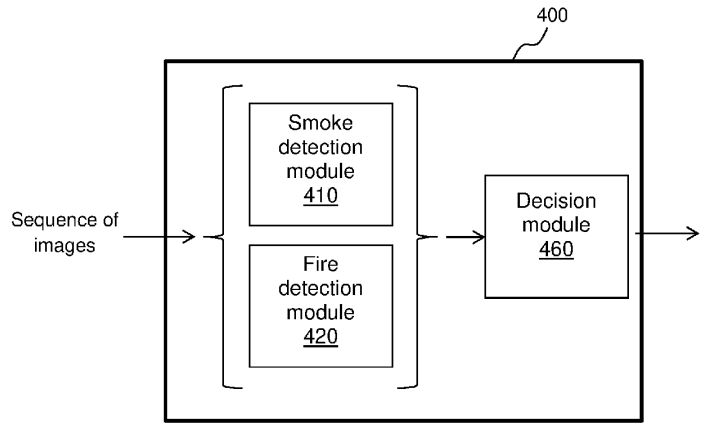

Figure 4

(57) Abstract: This invention relates to a method and system for detecting fire and smoke. The system comprises a processor, a memory and instructions stored on the memory and executable by the processor to: receive a sequence of images from a plurality of cameras; sampling the sequence of images at a certain interval; process each of the sampled images to form a first processed image and a second processed image;extract Binary Large Objects (BLOBs) from first processed image and contours of objects from the second processed image; analyse the BLOB for smoke and the contours of objects for fire; and determine smoke in response to analysing smoke from the BLOBs and fire in response to analysing fire from the contours of objects.

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