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(54) Title: ARTIFICIAL INTELLIGENCE SMOOTHED OBJECT DETECTION AND TRACKING IN VIDEO

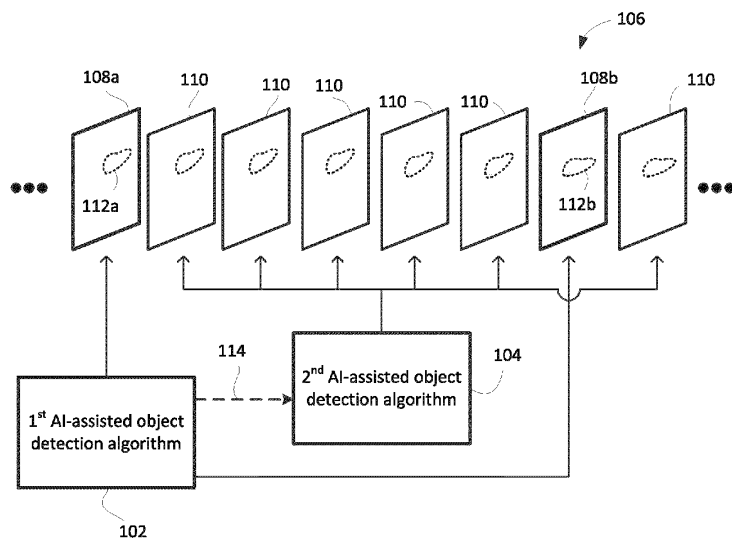


FIG. 1

(57) Abstract: Methods and systems for object detection and tracking in video that use at least two different AI-assisted object detection algorithms. A first AI-assisted object detection algorithm selected to be used to detect an object in a video frame and determine a mask defining location of the object on the basis that the video frame is a keyframe. A second AI-assisted object detection algorithm may be used to track location of the mask in temporally subsequent frames until the next keyframe is detected.

[Continued on next page]

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