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(54) **System and method of alerting a driver that visual perception of pedestrian may be difficult**

(57) A pedestrian perception alert system configured to issue a warning during real-time when a driver's visual detection of a pedestrian is difficult, and a method thereof is provided. The system includes a video camera, an alert for issuing a warning, a processor, and a Pedestrian Detection Unit ("PDU"). The PDU analyzes the video camera image to detect a pedestrian. A Global Clutter Analysis Unit ("GCAU") generates a global clutter score. A Local Pedestrian Clutter Analysis Unit ("LPCAU") gener-

ates a local pedestrian clutter score. The processor processes the global clutter score and local pedestrian clutter score so as to generate a pedestrian detection score. The alert is actuated when the pedestrian detection score is outside of a predetermined threshold so as to notify the driver that perception of a pedestrian is difficult at that time.

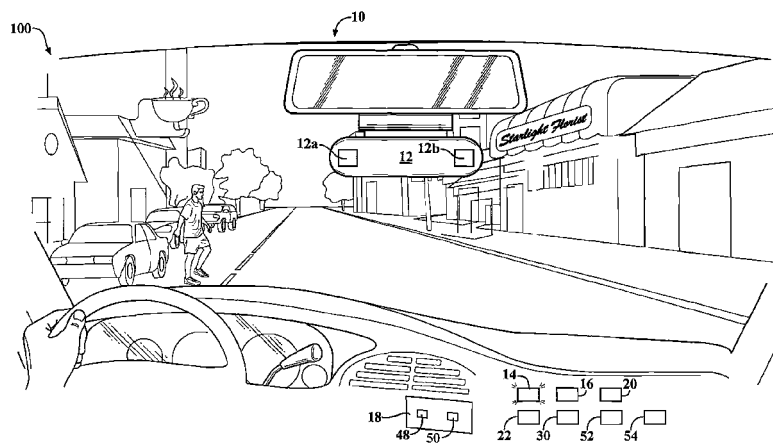


FIG. 1