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(57) Abstract :

ABSTRACT The present disclosure introduces driver assist and collision avoidance system for crane vehicles 100 revolutionizes industrial vehicle safety by addressing visibility challenges and mitigating collision risks. It comprises of wide-angle cameras 102, deep learning algorithms 104, controller 106, ultrasonic sensors 108, display unit 110, automatic speed reduction system 112, alert system 114, side object detection technology 116 and distance calculation system 118. The camera, sensor, deep learning algorithms 104, and side object detection technology work synergistically to provide comprehensive surveillance of the vehicle's surroundings. Reference Fig 1

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