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(57) Abstract :

System and method are disclosed for detecting free parking spaces in a parking area. The system 100 can include one or more camera 102 positioned in the parking area to monitor the parking area. The images acquired by the camera 102 are analysed using deep learning architecture such as Mask R-CNN, and mAlexnet. Each parking position may be examined to determine whether the parking space is vacant or not using the mAlexnet, and these images are preprocessed by Mask R-CNN. Upon detection of a free parking space, its location information can be detected and stored on server 108. The user may check free parking spaces via a client device 204.

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