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(57) Abstract :

A vehicle parking assistance system and method are disclosed. The system may obtain one or more attributes pertaining to an upcoming meeting from a calendar application associated with a user. Based on the one or more attributes and one or more user preferences, a search may be performed for a plurality of parking venues. The system may be configured to automatically select a parking venue from the plurality of parking venues using a first AI engine. A parking slot may be reserved at the selected venue for a parking duration. An image processing engine (IPE) may analyse a first set of images of a vehicle associated with the user. The first set of images may be captured at an entry point of the selected venue. The IPE may also analyse a second set of images of the vehicle which may be captured at an exit point of the selected venue. A second AI engine may determine that exit of the vehicle from the selected venue is authorized based on one or more outputs of the IPE. The exit of the vehicle is permitted based on the determining by the second AI engine.

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