Digital Twin Generation And Logging For A Vehicle

ABSTRACT

The present disclosure generates a digital twin of the interior of a vehicle to initiate and track maintenance issues. In one aspect, the digital twin is formed using multiple captured images of the interior of the vehicle where multiple components in those images are identified using a machine learning (ML) model. The components identified by the ML model are then mapped to a model (e.g., a 3D model) of the components that lists their location in the vehicle and an identifier (e.g., a part number or serial number). In this manner, the digital twin can identify, using the identifiers, the various components in the images captured by a camera.

Fig. 2