

ABSTRACT

Embodiments of the disclosure provide methods and systems for updating a HAD map using a plurality of terminals. The system may include a communication interface configured to communicate with the plurality of terminals via a network. The system may further include a storage configured to store the HAD map. The system may also include at least one processor. The at least one processor may be configured to identify a target region including at least one changing object. The at least one processor may be further configured to instruct the plurality of terminals to acquire data of the target region at varying view positions, and receive the acquired data from the plurality of terminals. The at least one processor may be further configured to construct a three-dimensional model for the at least one changing object from the acquired data, and update the HAD map based on the three-dimensional model.

(Fig. 5)