

SYSTEM AND METHOD FOR REFUELING UNMANNED GROUND VEHICLES

ABSTRACT OF THE DISCLOSURE

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A system for optimizing the refueling of a plurality of unmanned ground vehicles (UGVs) comprises a modular sensing unit mounted on each of the plurality of UGVs, a base station, and a mobile refueling station. The modular sensing unit comprises (a) a power supply sensor, (b) a location sensor, and
10 (c) a transceiver for obtaining and transmitting power supply levels and location information of each UGV. The base station has a processor to receive the power supply levels and the location information of each of the plurality of UGVs and to determine the power supply level and the distance between the base station and the UGV for each UGV. The mobile refueling station is
15 capable of refueling a UGV at a predetermined location. The base station processor determines a refueling protocol.

Figure 6 accompanies the abstract.

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