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(54) **CHARGING AN UNMANNED AERIAL VEHICLE
USING RAIL ELECTRIFIED AT GROUND LEVEL**

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ABSTRACT

A system, apparatus, and method for charging an unmanned aerial vehicle using rail electrified at ground-level are disclosed. The apparatus may include a power management circuit interface. The apparatus may also include a navigation circuit interface. The apparatus may further include a control circuit. The control circuit may be to navigate an unmanned aerial vehicle (UAV) to a rail based on information received via the navigation circuit interface. The rail may be configured to be electrified at ground-level. The control circuit may also be to instruct the UAV to couple a charging contact on the UAV with a charging contact coupled to the rail. The control circuit may additionally be to coordinate a charging operation between the UAV and the rail via the power management circuit interface. The control circuit may further be to instruct the UAV to disengage the charging contact on completion of the charging operation.

