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KIM(10) **Pub. No.: US 2022/0386418 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **DEVICE AND METHOD FOR
CONTROLLING HEATER WIRE OF REAR
WINDOW OF VEHICLE***B60R 16/033* (2006.01)*H05B 3/84* (2006.01)(71) Applicants: **HYUNDAI MOTOR COMPANY,**
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ABSTRACT

The present disclosure relates to a device and a method for controlling a heater wire of a rear window of a vehicle. To reduce a drag force acting on the vehicle by pushing positively charged air (containing dust) by a positive voltage induced in the heater wire, and prevent the dust from adsorbing on the rear window of the vehicle, the device includes a switch located on a connection line between an output terminal of the heater wire mounted on the rear window of the vehicle and a negative (-) terminal of a battery disposed in the vehicle, a booster for boosting a voltage output from a positive (+) terminal of the battery and supplying the boosted voltage to an input terminal of the heater wire, and a controller that controls the switch.

