



Touch-N-Clean

Windshield washing system for Semi Trucks, Buses, RV's and Vans

The **Windshield Touch-N-Clean system** includes an apparatus that is affixed to a vehicle for washing the front windshield of a large motor vehicle such as semi trucks, buses, RV's and Vans. The **Touch-N-Clean** system is operated via the navigation system in the vehicle or from an app on a smart phone that is connected via bluetooth to the vehicle.

The **Touch-N-Clean** systems have cleaning heads that can reach the entire surface area of the windshield, to clean the entire surface or may be operated to spot clean a localized area of the surface, as needed. The cleaning head of the **Touch-N-Clean** system may be operated with one or two extension members rotatable about articulating joints or a gantry system wherein a horizontal member rides within tracks up and down the windshield and the cleaning head moves left and right or up and down on the mechanical member.

ABSTRACT OF THE INVENTION

A cleaning device for a surface, such as a windshield of a vehicle, has a housing that holds a spray bar, rotatable brush and a wiper blade. An engagement mechanism moves spray bar, the brush, and the wiper blade out from a disengaged position within the housing to an engaged position outside the housing so that they can be used to clean, brush, and dry the surface. After the spray bar, brush, and wiper blade are used to, respectively, clean, brush, and dry the surface, the engagement mechanism then moves the spray bar, the brush, and the wiper blade to a disengaged position within the housing.



To view animations login to: www.touch-n-clean.com

Touch N Clean Gantry Arm Retracted



Touch N Clean Gantry Arm Deployed



Gantry drawing from patent number US10293790B2

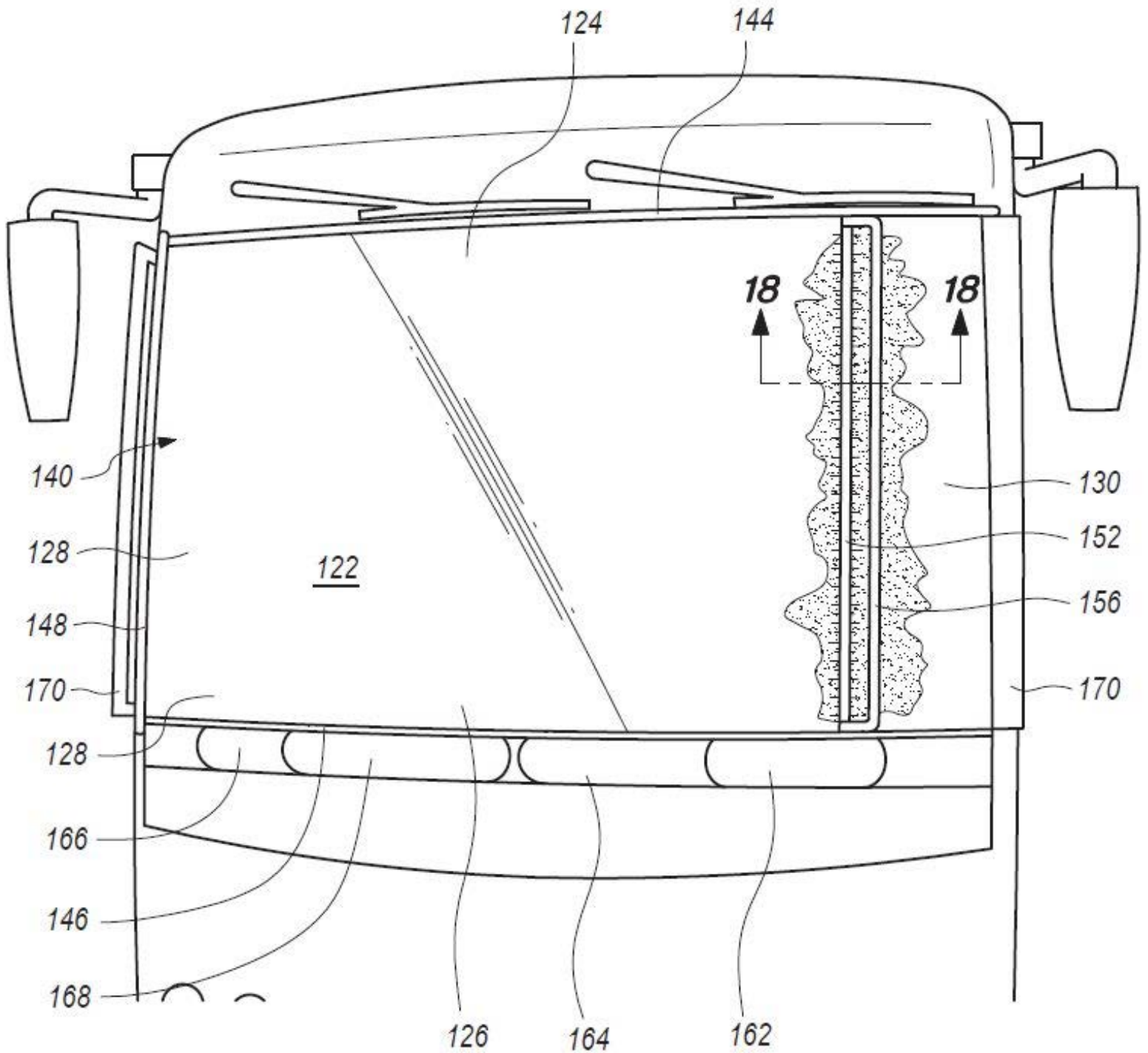


FIG. 24

Touch N Clean Single Arm system



Touch N Clean Single Arm Deployed



Touch N Clean Windshield Washing Bolt on Module Component



Single arm drawing from patent number US10029653B1

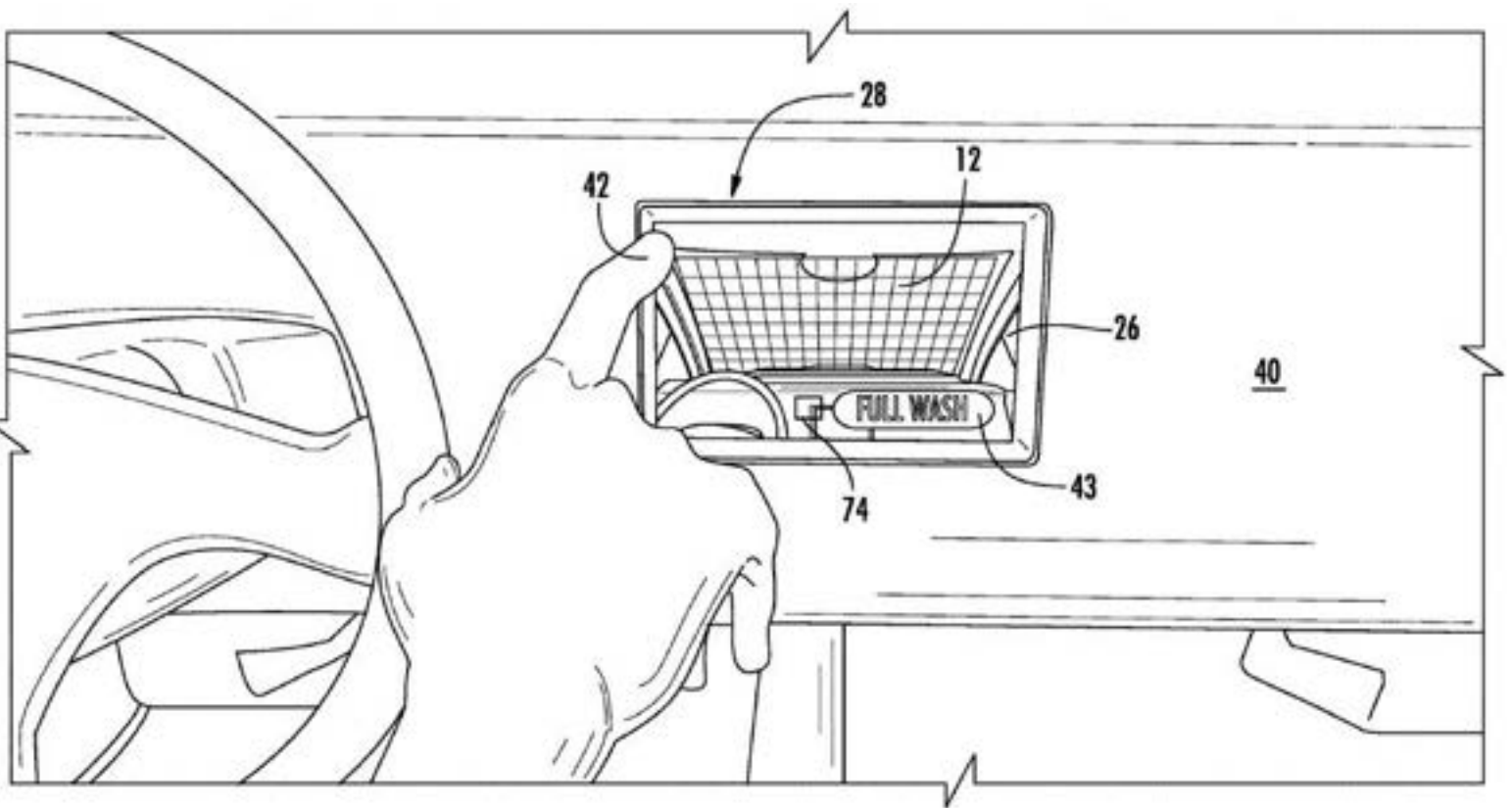


FIG. 3

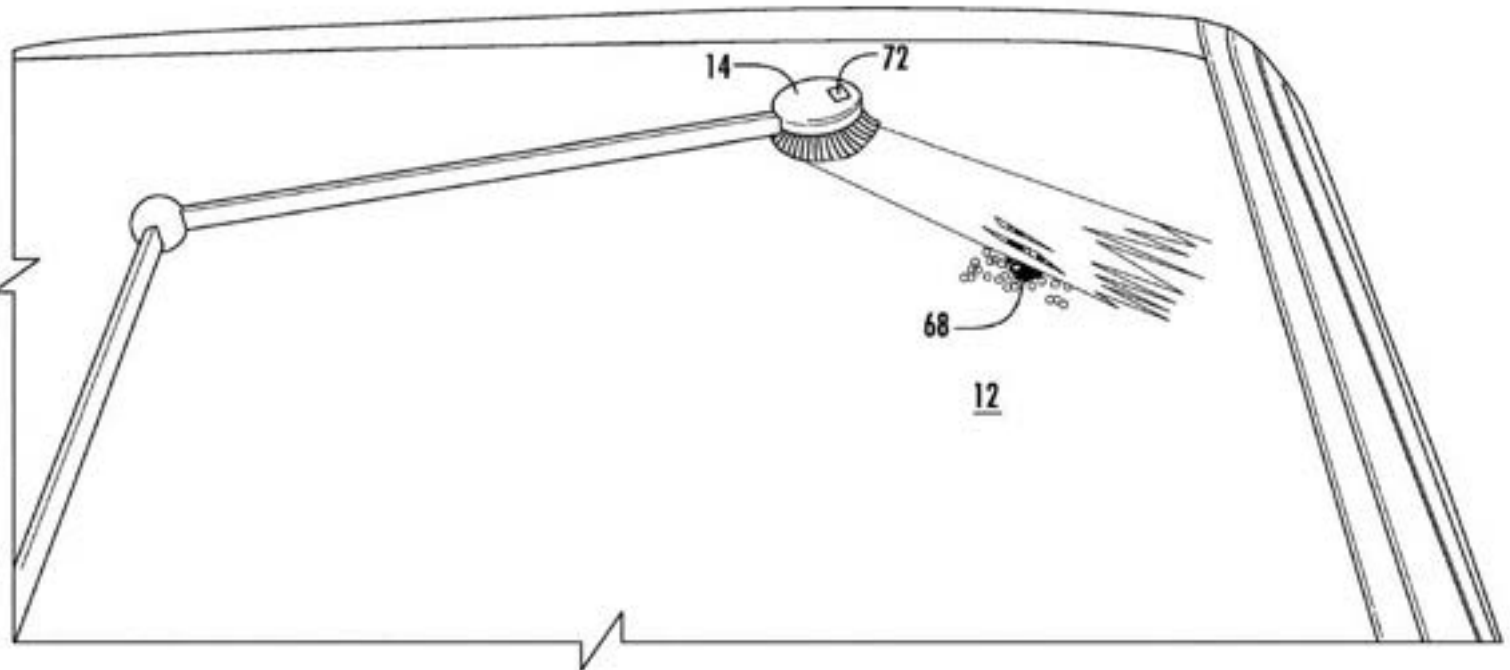


FIG. 12

Touch N Clean Double Arm Partially Deployed



Touch N Clean Double Arm Deployed in use



Double arm drawing from patent number US10538221B2

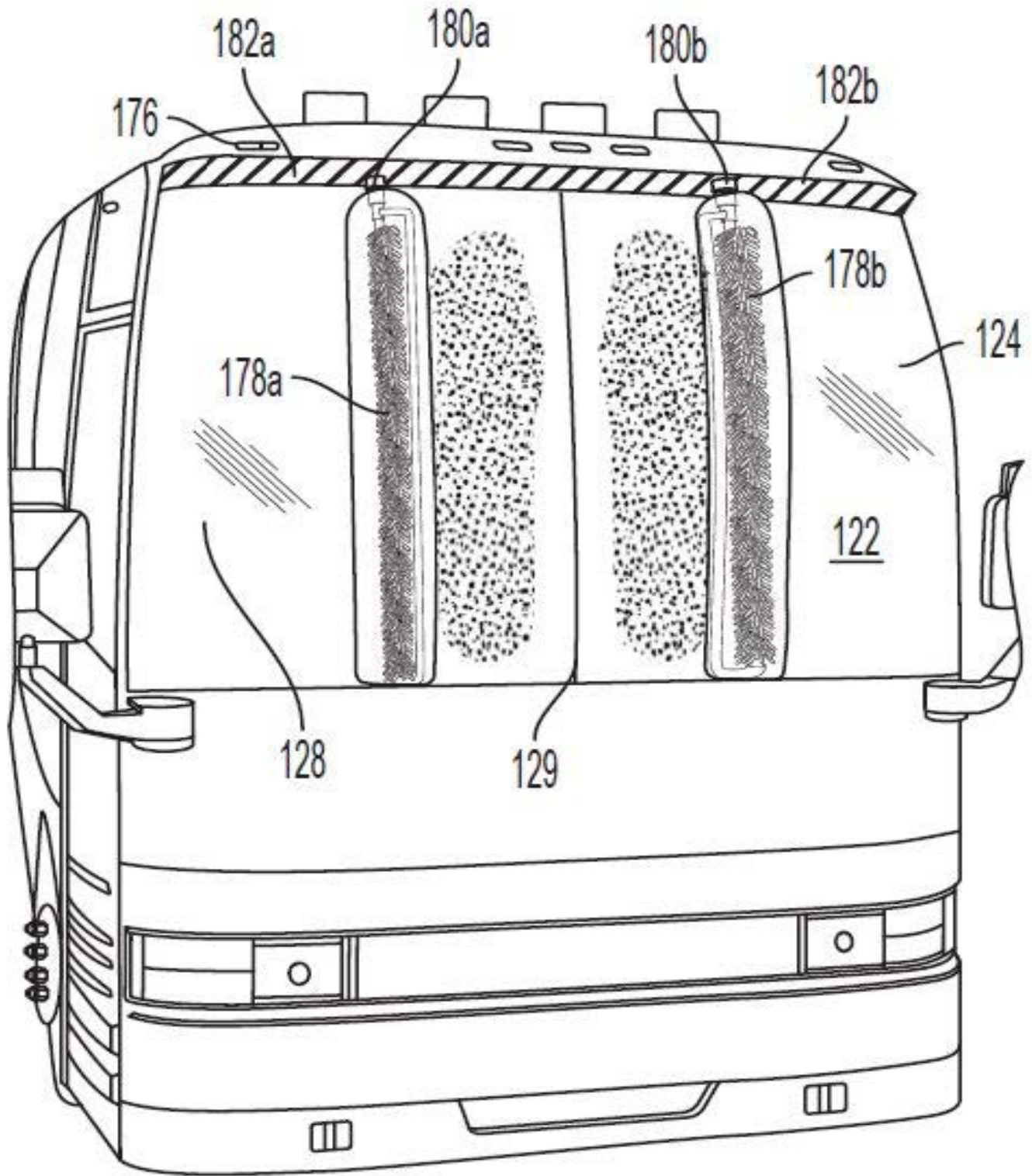


FIG. 39