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(54) Title: SELF LEARNING VEHICLE CONTROL SYSTEM

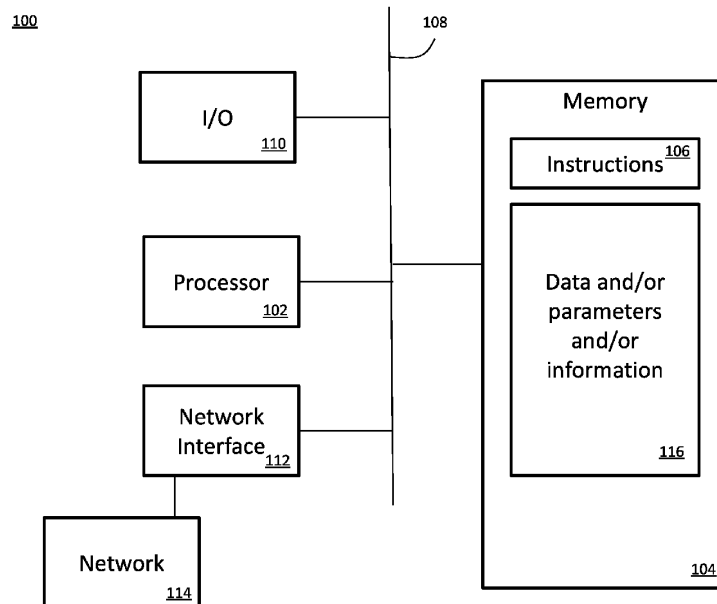


FIG. 1

(57) Abstract: A self-learning vehicle control system, the control system including: a controller configured to receive one or more of the following inputs: actual propulsion effort command; actual braking effort command; requested speed command; change in the requested speed command; change in the requested acceleration command; measured vehicle location; measured vehicle 3-D speed; measured vehicle 3-D acceleration; and measured vehicle 3-D angular speed; and one or more position determination sensors communicably connected with the controller; one or more 3-D speed determination sensors communicably connected with the controller; one or more 3-D acceleration determination sensors communicably connected with the controller; one or more 3-D angular speed determination sensors communicably connected with the controller; and an output device communicably connected with the controller and for providing requested speed and acceleration commands.

[Continued on next page]

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