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Minoiu-Enache

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(54) **AUTONOMOUS MODE VEHICLE CONTROL SYSTEM AND VEHICLE COMPRISING SUCH A CONTROL SYSTEM**

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CPC ***B60W 50/02*** (2013.01); ***B60W 30/00*** (2013.01); ***B60W 50/035*** (2013.01); ***G05D 1/0061*** (2013.01); *G05D 2201/0213* (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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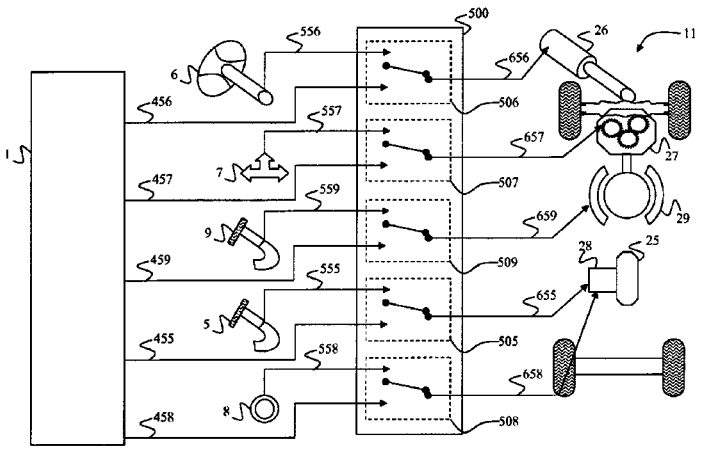
(57) **ABSTRACT**

A vehicle control system including human-control members generating signals for manual piloting of actuators of the vehicle, an automatic control module generating signals for automatic piloting of the actuators of the vehicle, and a switching module to select the manual-piloting signals in a manual mode of operation and the autonomous-piloting signals in an autonomous mode of operation. The automatic control module includes a block for automatic formulation of at least one calculated autonomous piloting signal and a security block to transmit to the switching module a calculated autonomous piloting signal in a case of normal autonomous operation and an emergency autonomous piloting signal in a case of abnormal autonomous operation.

8 Claims, 4 Drawing Sheets