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Joni BOSCH

(signature)

Date of signature and deposit - March 23, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
JAMES E. SMITH et al.)	Group Art Unit 2875
)	
Serial No. 10/285,312)	
)	Examiner Ali Alavi
Filed: October 31, 2002)	
)	
For: AUTOMATIC DIRECTIONAL CONTROL)	Attorney Docket 1-23649
SYSTEM FOR VEHICLE HEADLIGHTS)	

Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

AMENDMENT

Honorable Sir:

Please amend the above-identified application as indicated on the following pages.

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An automatic directional control system for a vehicle headlight comprising:

a sensor that is adapted to generate a signal that is representative of a condition of the vehicle, said sensed condition includes one or more of road speed, steering angle, pitch, and suspension height of the vehicle;

a controller that is responsive to said sensor signal for generating an output signal only when said sensor signal changes by more than a predetermined amount;

and

an actuator that is adapted to be connected to the headlight to effect movement thereof in accordance with said output signal.

2. (Original) The automatic directional control system defined in Claim 1 wherein said sensor generates a signal that is representative of the road speed of the vehicle.

3. (Original) The automatic directional control system defined in Claim 1 wherein said sensor generates a signal that is representative of the steering angle of the vehicle.

4. (Original) The automatic directional control system defined in Claim 1 wherein said sensor generates a signal that is representative of the pitch of the vehicle.

5. (Original) The automatic directional control system defined in Claim 1 wherein said sensor generates a signal that is representative of the suspension height of the vehicle.

6. (Cancelled).

7. (Currently Amended) ~~An~~ The automatic directional control system defined in Claim 1 wherein said for a vehicle headlight comprising:

a sensor that is adapted to generate a signal that is representative of a condition of the vehicle, said sensed condition includes one or more of road speed, steering angle, pitch, and suspension height of the vehicle;

a controller that is responsive to a rate of change of said sensor signal for generating said output signal; and

an actuator that is adapted to be connected to the headlight to effect movement thereof in accordance with said output signal.

8. (Original) The automatic directional control system defined in Claim 7 wherein said sensor generates a signal that is representative of the rate of change of the road speed of the vehicle.

9. (Original) The automatic directional control system defined in Claim 7 wherein said sensor generates a signal that is representative of the rate of change of the steering angle of the vehicle.

10. (Original) The automatic directional control system defined in Claim 7 wherein said sensor generates a signal that is representative of the rate of change of the pitch of the vehicle.

11. (Original) The automatic directional control system defined in Claim 7 wherein said sensor generates a signal that is representative of the rate of change of the suspension height of the vehicle.

12. (Original) The automatic directional control system defined in Claim 7 wherein said controller generates said output signal only when the rate of change of said sensor signal changes by more than a predetermined threshold amount.

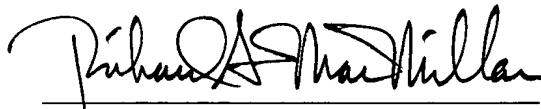
13. (Original) The automatic directional control system defined in Claim 1 further including a plurality of sensors adapted to generate a respective plurality of signals that are representative of a respective plurality of conditions of the vehicle, and wherein said controller is responsive to said plurality of sensor signals for generating said output signal.

REMARKS

Independent Claim 1 has been amended to include the salient limitation of Claim 6. Claim 1 now defines the invention as an automatic directional control system for a vehicle headlight that includes a sensor that is adapted to generate a signal that is representative of a condition of the vehicle, wherein the sensed condition includes one or more of road speed, steering angle, pitch, and suspension height of the vehicle. A controller is responsive to the sensor signal for generating an output signal only when the sensor signal changes by more than a predetermined amount. Lastly, an actuator is adapted to be connected to the headlight to effect movement thereof in accordance with the output signal. None of the art of record is believed to show or suggest a controller that is responsive to the sensor signal for generating an output signal only when the sensor signal changes by more than a predetermined amount.

Claim 7 has been re-written in independent form. Claim 7 defines the invention as an automatic directional control system for a vehicle headlight including a sensor that is adapted to generate a signal that is representative of a condition of the vehicle, wherein the sensed condition includes one or more of road speed, steering angle, pitch, and suspension height of the vehicle. A controller is responsive to a rate of change of the sensor signal for generating the output signal. Lastly, an actuator is adapted to be connected to the headlight to effect movement thereof in accordance with the output signal. None of the art of record is believed to show or suggest a controller that is responsive to a rate of change of the sensor signal for generating the output signal.

Respectfully submitted,



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