

EXHIBIT A



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(12) **United States Patent**
Naboulsi

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(54) **SAFETY CONTROL SYSTEM FOR APPS IN VEHICLES**

2350/906 (2013.01); B60K 2350/967 (2013.01); B60W 2520/105 (2013.01)

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(65) **Prior Publication Data**

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Related U.S. Application Data

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(51) **Int. Cl.**

G06F 3/02 (2006.01)
B60R 16/023 (2006.01)
G08B 21/06 (2006.01)
B60R 11/02 (2006.01)
B60Q 9/00 (2006.01)
G06F 3/01 (2006.01)

(Continued)

(52) **U.S. Cl.**

CPC **B60R 16/0232** (2013.01); **B60Q 9/008** (2013.01); **B60R 11/0264** (2013.01); **G06F 3/017** (2013.01); **G06F 3/0227** (2013.01); **G08B 21/06** (2013.01); **H04M 1/6091** (2013.01); **H04M 1/72577** (2013.01); **B60K**

(58) **Field of Classification Search**

CPC . B60R 16/0232; B60R 11/0264; B60Q 9/008; G06F 3/017; G06F 3/0227; G08B 21/06; H04M 1/6091; H04M 1/72577; B60K 2350/906; B60K 2350/967

See application file for complete search history.

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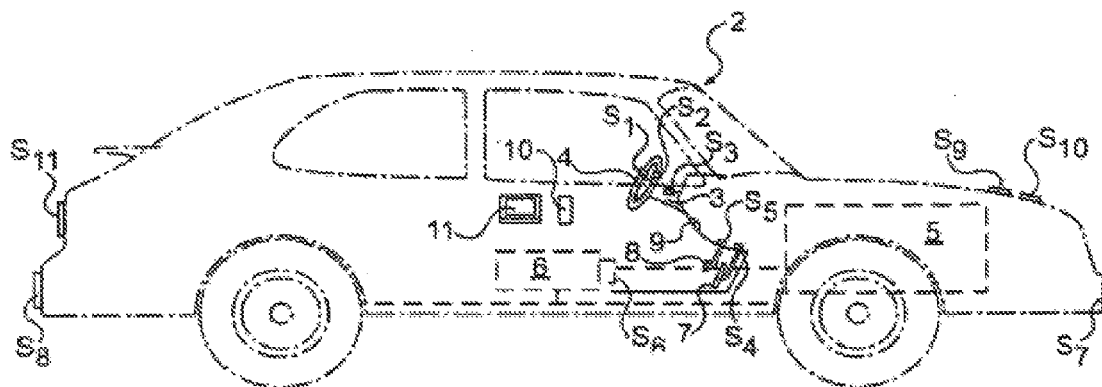
(Continued)

Primary Examiner — Richard Camby

(57) **ABSTRACT**

According to one aspect of one embodiment of the present invention, a safety control system for using applications in vehicles, includes, a communication device having at least one of an input accessible from within the vehicle and an output communicated within the vehicle, at least one sensor operable to sense at least one condition related to vehicle operation, and data about distraction features of a running application, to and a controller communicated with the sensor and the communication device to selectively suppress at least one of said input and said output in response to a sensed parameter of said at least one condition being outside of a threshold. When an input is suppressed, the driver is prevented from accessing or inputting information into the communication device. When an output is suppressed, communication between the device and the driver of a vehicle is suppressed to, among other things, avoid distracting the driver during certain driving situations or conditions relating to the driver, vehicle and/or environment.

10 Claims, 7 Drawing Sheets



- (51) **Int. Cl.**
H04M 1/725 (2006.01)
H04M 1/60 (2006.01)

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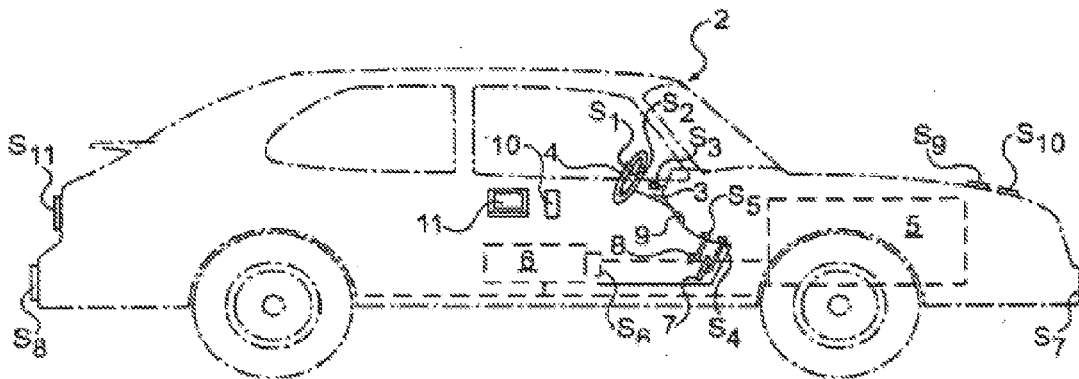


Figure 1

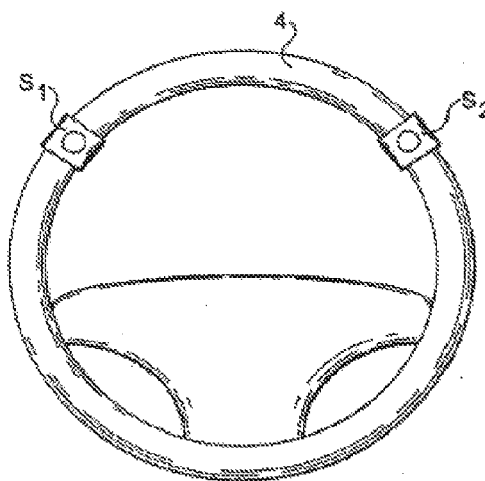


Figure 2

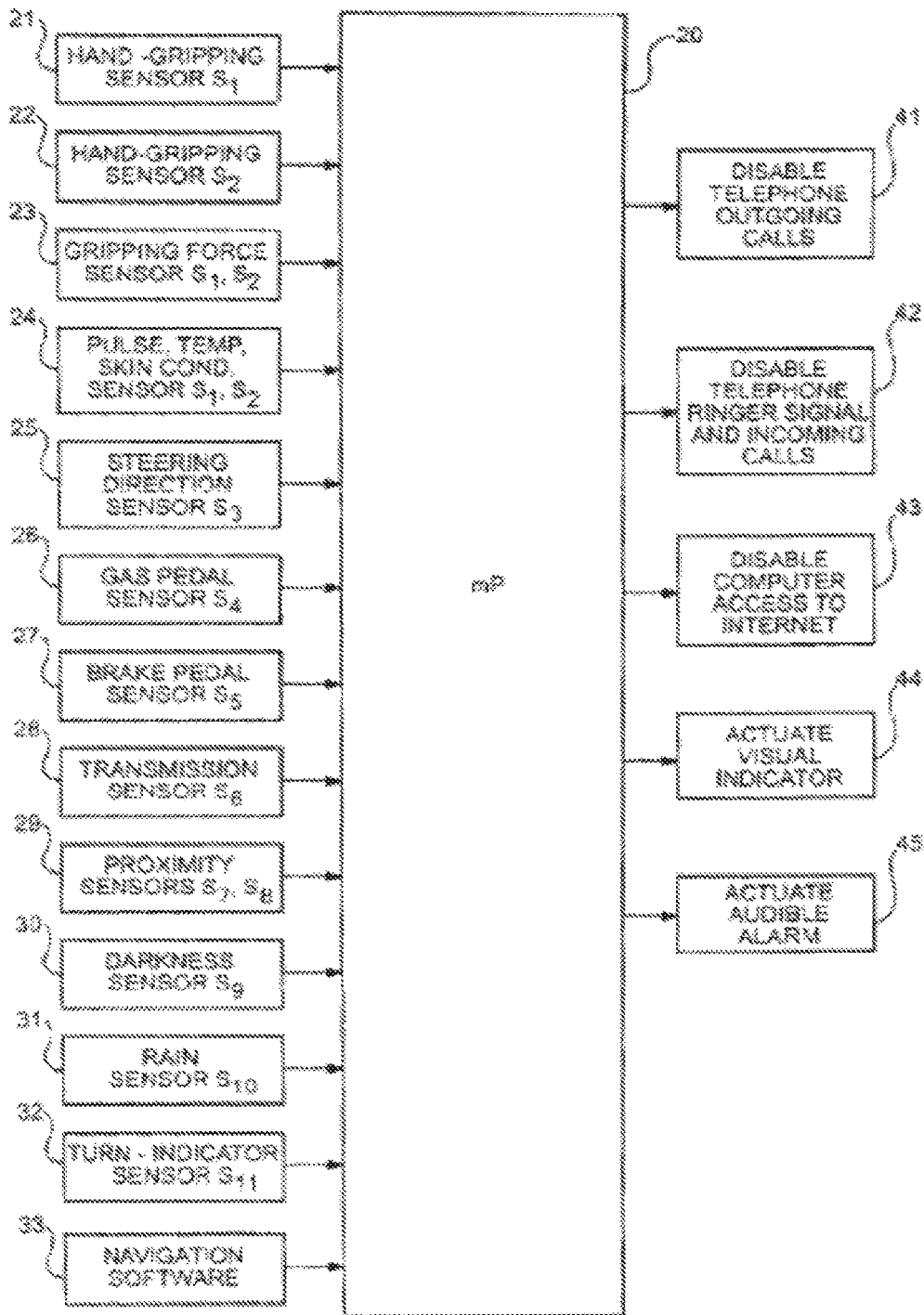


Figure 3

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