

EXHIBIT C



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(12) **United States Patent**
Naboulsi

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

(2013.01); **G06F 17/00** (2013.01); **G08B 21/06** (2013.01); **H04M 1/6083** (2013.01); **H04M 1/6091** (2013.01);

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(Continued)

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(58) **Field of Classification Search**

None

See application file for complete search history.

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U.S. PATENT DOCUMENTS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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340/425.5

This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **16/140,786**

Primary Examiner — Richard M Camby

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(74) *Attorney, Agent, or Firm* — FisherBroyles LLP;
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(65) **Prior Publication Data**

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(57) **ABSTRACT**

Related U.S. Application Data

(60) Continuation of application No. 15/657,777, filed on Jul. 24, 2017, now Pat. No. 10,081,317, which is a (Continued)

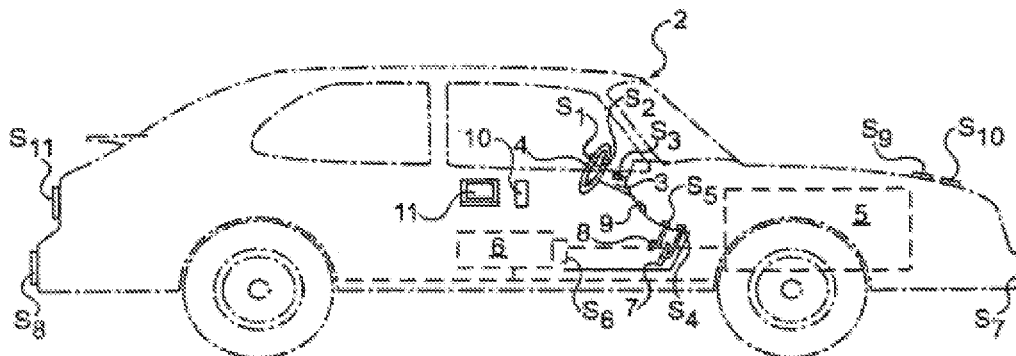
(51) **Int. Cl.**
B60R 16/023 (2006.01)
B60R 11/02 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **B60R 16/0232** (2013.01); **B60Q 9/00** (2013.01); **B60Q 9/008** (2013.01); **B60R 11/0264** (2013.01); **B60R 16/023** (2013.01); **G06F 3/017** (2013.01); **G06F 3/0227**

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.

16 Claims, 4 Drawing Sheets



Related U.S. Application Data

continuation of application No. 15/352,206, filed on Nov. 15, 2016, now Pat. No. 9,713,994, which is a continuation of application No. 14/661,598, filed on Mar. 18, 2015, now Pat. No. 9,524,034, which is a continuation of application No. 13/663,085, filed on Oct. 29, 2012, now Pat. No. 9,047,170, which is a division of application No. 10/838,708, filed on May 4, 2004, now Pat. No. 8,301,108.

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B60Q 9/00 (2006.01)
G06F 3/01 (2006.01)
G06F 3/02 (2006.01)
H04M 1/60 (2006.01)
H04M 1/725 (2006.01)
B60R 11/00 (2006.01)

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CPC ... ***H04M 1/72577*** (2013.01); ***B60K 2350/906***
(2013.01); ***B60K 2370/195*** (2019.05); ***B60R***
2011/001 (2013.01); ***B60W 2520/105***
(2013.01)

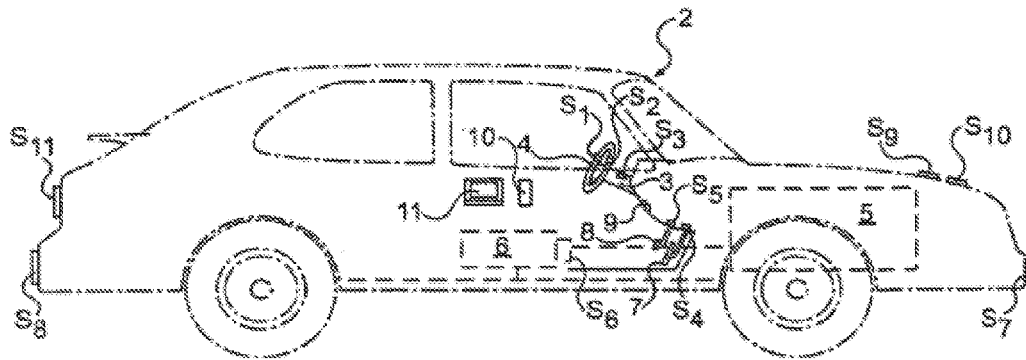


Figure 1

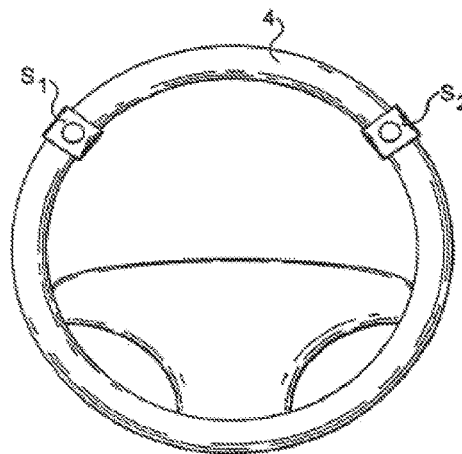
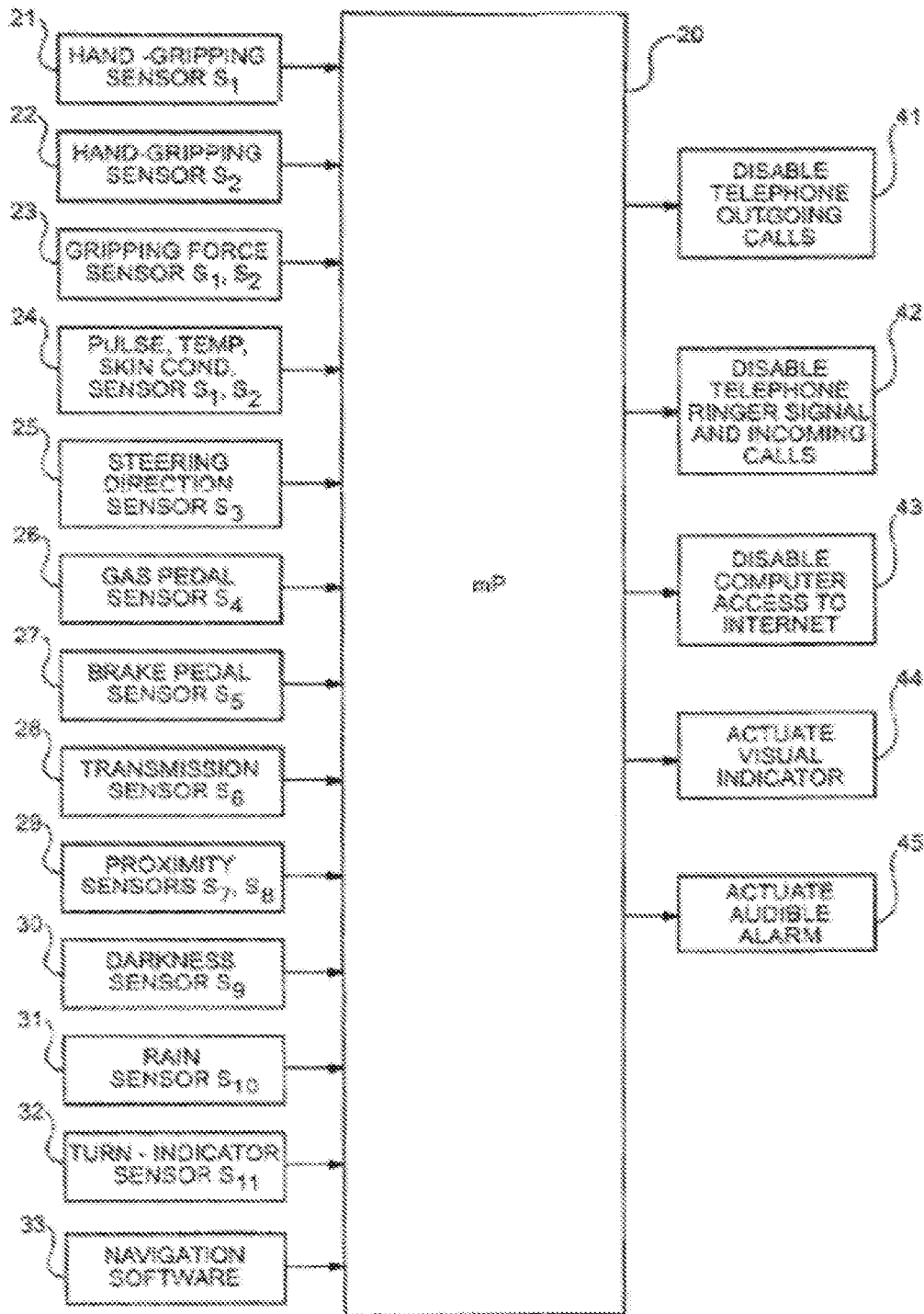


Figure 2

**Figure 3**



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