

Nissan North America Inc. (Petitioner)

v.

Joao Control & Monitoring Systems, LLC (Patent Owner)

Case IPR2015-01508 / U.S. Patent No. 6,542,076

Case IPR2015-01585 / U.S. Patent No. 5,917,405

Case IPR2015-01645 / U.S. Patent No. 7,397,363

Petitioner's Demonstratives

Thursday, October 20, 2016

1:00 PM, Courtroom A

Petitioner's Demonstratives - 1

(12) **United States Patent**
Joao (10) Patent No.: **US 6,542,076 B1**
(45) Date of Patent: ***Apr. 1, 2003**

(54) **CONTROL, MONITORING AND/OR SECURITY APPARATUS AND METHOD**
(76) Inventor: **Raymond Anthony Joao**, 122 Bellevue Pl., Yonkers, NY (US) 10703
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
This patent is subject to a terminal disclaimer.
(21) Appl. No.: **09/551,365**
(22) Filed: **Apr. 17, 2000**

Related U.S. Application Data
(63) Continuation-in-part of application No. 09/277,935, filed on Mar. 29, 1999, which is a continuation of application No. 08/683,828, filed on Jul. 18, 1996, now Pat. No. 5,917,405, and a continuation-in-part of application No. 08/622,749, filed on Mar. 27, 1996, now abandoned, and a continuation-in-part of application No. 08/587,628, filed on Jan. 17, 1996, now abandoned, which is a continuation of application No. 08/489,238, filed on Jun. 12, 1995, now Pat. No. 5,513,244, which is a continuation of application No. 08/073,755, filed on Jun. 8, 1993, now abandoned.
(60) Provisional application No. 60/187,735, filed on Mar. 8, 2000, and provisional application No. 60/190,379, filed on Mar. 17, 2000.
(51) Int. Cl.⁷ **G08B 1/08**
(52) U.S. Cl. **340/539**; 340/425.5; 340/426; 340/540; 307/10.2
(58) **Field of Search** 340/425.5, 426, 340/428, 429, 430, 539, 825.2, 825.32, 825.34, 825.37, 825.69; 307/10.2, 10.3; 342/357.03, 357.07, 357.09, 457; 701/1, 36, 49

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4,882,579 A 11/1989 Siwiak
4,882,746 A 11/1989 Shimada

United States Patent [19]
Joao [11] Patent Number: **5,917,405**
[45] Date of Patent: ***Jun. 29, 1999**

[54] **CONTROL APPARATUS AND METHODS FOR VEHICLES**
[76] Inventor: **Raymond Anthony Joao**, 122 Bellevue Pl., Yonkers, N.Y. 10703
[*] Notice: This patent issued on a continued prosecution application filed under 37 C.F.R. 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).
[21] Appl. No.: **08/683,828**
[22] Filed: **Jul. 18, 1996**

Related U.S. Application Data
[63] Continuation-in-part of application No. 08/622,749, filed on Mar. 27, 1996, and application No. 08/587,628, Jan. 17, 1996, now abandoned, which is a continuation of application No. 08/489,238, Jun. 12, 1995, Pat. No. 5,513,244, which is a continuation of application No. 08/073,755, Jun. 8, 1993, now abandoned.
[51] Int. Cl.⁷ **B60R 25/00**
[52] U.S. Cl. **340/426**; 340/425.5; 340/825.3; 340/426; 340/540; 307/10.2
[58] **Field of Search** 342/457; 340/426; 340/825.34, 825.32, 825.36, 825.37, 825.38; 370/352, 389; 307/10.2; 455/442.5; 180/287; 701/33, 36, 49

[56] **References Cited**
U.S. PATENT DOCUMENTS
4,882,579 11/1989 Siwiak 340/825.3; 340/426; 340/540; 307/10.2
4,882,746 11/1989 Shimada 370/352, 389; 307/10.2; 455/442.5; 180/287; 701/33, 36, 49
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(12) **United States Patent**
Joao (10) Patent No.: **US 7,397,363 B2**
(45) Date of Patent: ***Jul. 8, 2008**

(54) **CONTROL AND/OR MONITORING APPARATUS AND METHOD**
(76) Inventor: **Raymond Anthony Joao**, 122 Bellevue Pl., Yonkers, NY (US) 10703
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 237 days.
(21) Appl. No.: **10/244,334**
(22) Filed: **Sep. 16, 2002**

Related U.S. Application Data
(63) Continuation-in-part of application No. 09/551,365, filed on Apr. 17, 2000, now Pat. No. 6,542,076, which is a continuation-in-part of application No. 09/277,935, filed on Mar. 29, 1999, now Pat. No. 6,549,130, which is a continuation of application No. 08/683,828, filed on Jul. 18, 1996, now Pat. No. 5,917,405, which is a continuation-in-part of application No. 08/622,749, filed on Mar. 27, 1996, now abandoned, said application No. 09/551,365.
(60) Provisional application No. 60/187,735, filed on Mar. 8, 2000, provisional application No. 60/190,379, filed on Mar. 17, 2000.

Prior Publication Data
US 2003/0016130 A1 Jan. 23, 2003

Related U.S. Application Data
(63) Continuation-in-part of application No. 09/551,365, filed on Apr. 17, 2000, now Pat. No. 6,542,076, which is a continuation-in-part of application No. 09/277,935, filed on Mar. 29, 1999, now Pat. No. 6,549,130, which is a continuation of application No. 08/683,828, filed on Jul. 18, 1996, now Pat. No. 5,917,405, which is a continuation-in-part of application No. 08/622,749, filed on Mar. 27, 1996, now abandoned, said application No. 09/551,365.
(60) Provisional application No. 60/187,735, filed on Mar. 8, 2000, provisional application No. 60/190,379, filed on Mar. 17, 2000.

(51) Int. Cl. **G08B 1/08** (2006.01)
(52) U.S. Cl. **340/539.11**; 340/539.13; 340/425.5; 340/426.17; 340/428; 307/10.2
(58) **Field of Classification Search** 340/426.13, 340/426.16, 426.17, 426.18, 539.11, 539.14, 340/428, 429, 430; 307/10.2, 10.3; 701/1, 701/36; 709/218

See application file for complete search history.

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Primary Examiner—Van T. Trieu
(74) *Attorney, Agent, or Firm*—Raymond A. Joao, Esq.

(57) **ABSTRACT**
An apparatus including a first device which generates and/or transmits a first signal and which is associated with a web site and located remote from a premises or vehicle. The first signal is transmitted in response to a second signal transmitted from a second device located remote from the first device and remote from the premises or vehicle. The first device determines whether an action or an operation associated with the second signal is authorized or allowed and, if so, transmits the first signal to a third device located at the premises. The second signal is transmitted via the Internet and/or the World Wide Web. The third device generates and/or transmits a third signal for activating, de-activating, disabling, re-enabling, and/or controlling an operation of, a system, device, equipment, equipment system, component, and appliance, of the premises or vehicle.

88 Claims, 20 Drawing Sheets

Ex. 1001.

* Where a Paper or Exhibit is present in all three IPRs, citation will be to IPR2015-01508

Petitioner's Demonstratives - 2

1) '076 and '405 Patents - Frossard

Claims – '076 Patent	Prior Art
3, 20, 73, 103, and 205	Frossard (§ 102)
65	Frossard + Pagliaroli
93	Frossard + Drori
104	Frossard + LeBlanc
108	Frossard + Simms
Claims – '405 Patent	Prior Art
1 and 16	Frossard (§ 102)
2 and 17	Frossard + Pagliaroli
3	Frossard + Simms
11	Frossard + Shimizu

IPR2015-01508, Institution Decision, Paper 10, at 25-26.

IPR2015-01585, Institution Decision, Paper 11, at 25-26.

2) '076 and '405 Patents - Pagliaroli

Claims – '076 Patent	Prior Art
3, 20, 65, 73, 93, and 205	Pagliaroli (§ 102)
103	Pagliaroli + Frossard
104	Pagliaroli + LeBlanc
108	Pagliaroli + Simms
Claims – '405 Patent	Prior Art
1, 2, 16, and 17	Pagliaroli (§ 102)
3	Pagliaroli + Simms
11	Pagliaroli + Shimizu

IPR2015-01508, Institution Decision, Paper 10, at 25-26.

IPR2015-01585, Institution Decision, Paper 11, at 25-26.

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3) '363 Patent

Claims - '363 Patent	Prior Art
21, 24, 25, 36	Frossard + Spaur
22	Frossard + Spaur + Pagliaroli
29	Frossard + Spaur + Simms
21, 22, 24, 25, 29, 36	Johnson + Rossmann

IPR2015-01645, Institution Decision, Paper 11, at 20.

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Petitioner Nissan North America, Inc. - Exhibit 1022 - Page 5

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