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RAYMOND A. JOAO
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EXAMINER

WOOD, WILLIAM H

ART UNIT PAPER NUMBER

3992

MAIL DATE DELIVERY MODE

05/22/2015

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.



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(THIRD PARTY REQUESTER'S CORRESPONDENCE ADDRESS)

KENYON & KENYON LLP
ONE BROADWAY
NEW YORK, NY 10004

***EX PARTE* REEXAMINATION COMMUNICATION TRANSMITTAL FORM**

REEXAMINATION CONTROL NO. 90/013,300.

PATENT NO. 5917405.

ART UNIT 3992.

Enclosed is a copy of the latest communication from the United States Patent and Trademark Office in the above identified *ex parte* reexamination proceeding (37 CFR 1.550(f)).

Where this copy is supplied after the reply by requester, 37 CFR 1.535, or the time for filing a reply has passed, no submission on behalf of the *ex parte* reexamination requester will be acknowledged or considered (37 CFR 1.550(g)).

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

Reexamination (*Ex Parte*) has been requested by a third party for claim 1 of U.S. Patent 5,917,405 to Joao which issued on 06/29/1999 and filed 07/18/1996 (herein Joao) and is now expired.

A substantial new question of patentability affecting claim 1 of U.S. Patent 5,917,405 to Joao is raised by the request for *Ex Parte* reexamination filed 07/21/2014.

Request Established References

The request argues the following patents and/or printed publications provide teachings relevant to the claims of requested reexamination of patent 5,917,405 (Joao):

- a) Ramono, (U.S. 5,070,320), issued 12/03/1991, filed 06/12/1989. (herein Ramono)
- b) Kniffin et al., (U.S. 6,072,402), issued 06/06/2000, filed 01/09/1992. (herein Kniffin)
- c) Ryoichi et al., (U.S. 5,113,427), issued 05/12/1992, filed 08/24/1990. (herein Ryoichi)
- d) Pagliaroli et al., (U.S. 5,276,728), issued 01/04/1994, filed 11/06/1991. (herein Pagliaroli)

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- e) Drori et al., (U.S. 5,081,667), issued 01/14/1992, filed 03/20/1990. (herein Drori)
- f) Memmola, (U.S. 5,103,221), issued 04/07/1992, filed 12/05/1989. (herein Memmola)

Claim Rejections - 35 USC § 102 & 103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000.

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Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Issue 1

Claim 1 is proposed as rejected under 35 U.S.C. 102(b) as being anticipated by **Ramono**.

This rejection is proposed by the Third Party Requester in the Request for Reexamination of 07/21/2014 (pages 53-54 and 13-16 and claim chart 1) and it is applied for claim 1 for the reasons set forth therein (incorporated herein by reference).

Issue 2

Claim 1 is proposed as rejected under 35 U.S.C. 102(e) as being anticipated by **Kniffin**.

This rejection is proposed by the Third Party Requester in the Request for Reexamination 07/21/2014 (pages 53-54 and 16-21 and claim chart 2) and it is applied for claim 1 for the reasons set forth therein (incorporated herein by reference).

Issue 3

Claim 1 is proposed as rejected under 35 U.S.C. 102(b) as being anticipated by **Ryoichi**.

This rejection is proposed by the Third Party Requester in the Request for Reexamination 07/21/2014 (pages 53-54 and 21-25 and claim chart 3) and it is applied for claim 1 for the reasons set forth therein (incorporated herein by reference).

Issue 4

Claim 1 is proposed as rejected under 35 U.S.C. 102(e) as being anticipated by **Pagliaroli**.

This rejection is proposed by the Third Party Requester in the Request for Reexamination 07/21/2014 (pages 53-54 and 25-28 and claim chart 4) and it is applied for claim 1 for the reasons set forth therein (incorporated herein by reference).

Additional Issues

The request for reexamination additionally applies references Drori and Memmola in combination with the above references Ramono, Kniffin, Ryoichi and Pagliaroli as issues 5-12. These additional rejections are cumulative to the above adopted rejections 1-4 and are not necessary and not applied to the current iteration of claim 1.

Information Disclosure Statement

MPEP 2256 states in pertinent part,

Where patents, publications, and other such items of information are submitted by a party (Patent Owner or Requester) in compliance with the requirements of the rules, the requisite degree of consideration to be given to such information will be normally limited by the degree to which the party filing the information citation has explained the content and relevance of the information. The initials of the examiner placed adjacent to the

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citations on the form PTO/SB/08A and 08B or its equivalent, without an indication to the contrary in the record, do not signify that the information has been considered by the examiner any further than to the extent noted above. (emphasis added)

In concert with MPEP 2256, the references submitted in the Information Disclosure Statement (IDS) 03/11/15 has been considered only to the extent that Requester has "explained the content and relevance" and as indicated above, noting that citations to incomplete or missing documents are not considered, and citations to duplicate or non-english documents are not considered, and also noting that "continued" citation lines are likely to cause error and therefore crossed out.

In concert with MPEP 2256, the references submitted in the Information Disclosure Statement (IDS) 01/12/15 has been considered only to the extent that Requester has "explained the content and relevance" and as indicated above.

In concert with MPEP 2256, the references submitted in the Information Disclosure Statement (IDS) 11/24/14 has been considered only to the extent that Requester has "explained the content and relevance" and as indicated above, noting the provided disk of references is unreadable and therefore there are no references to consider.

Response to Arguments

Patent Owner's arguments filed 01/12/2015 have been fully considered but they are not persuasive.

Issue 1

Patent Owner's arguments (Response 01/12/2015: pages 6-8) have been fully considered but are not persuasive.

Patent Owner argues the Ramono reference does not disclose the limitations of the claim 1 including at least "a first control device, wherein said first control device one of generates and transmits a first signal for one of activating, deactivating, enabling, and disabling, one of a vehicle component, a vehicle device, a vehicle system, and a vehicle subsystem, wherein said first control device is located at the vehicle". Patent Owner further states, "There is no intermediate control device at the vehicle in Ramono and, therefore, there is no recited first control device located at the vehicle, in Ramano, which generates the recited first signal ...".

Ramono states "vehicle alarm unit ... is intended to be installed in any vehicle such that when the corresponding remote alarm initiator unit initiates an alarm to a fixed area alarm unit within range of the automobile, the fixed area alarm unit can signal the vehicle unit to signal, for example by flashing the exterior vehicle lights" (Ramono: column 10, line 67 to column 11, line 8), which not only indicates the first control unit, but also the third and second control units. The cited passage discusses a "vehicle alarm unit" (first control device), a "fixed area alarm unit" (second control device, or an

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intermediate control device), and a “remote alarm unit” (third control device). At least the “exterior vehicle lights” are the claim’s “vehicle component”. Therefore, Patent Owner’s argument is unpersuasive.

Additionally, Patent Owner argues “the vehicle alarm unit or system of Ramono, or any components of same, cannot be and cannot serve as both the ‘first control device’ and the ‘one of a vehicle component ...’” (Supplemental Response 02/26/2015: pages 7-12). This argument is also not persuasive. As the preceding paragraph makes clear, one element of Ramono is not being cited for two elements of the claim language. Further, the light 146 of Ramono’s figure 8 is a status indicator type light to aid in inspections and tampering determinations (Ramono: column 11, lines 23-33). This is not Ramono’s external vehicle lights, upon which the claim’s “vehicle component” reads. Finally, the ordinary and customary meaning of the claim terminology is being applied. While claim 7 of the patent indicates the “vehicle component” could be an alarm system, it also indicates it could be a light system, which is the interpretation that has been applied. The patent does not offer any definition of “first control device” that precludes an alarm system. Nor does Patent Owner even assert this. Therefore, the cited prior art discloses the first control device and related signals. Again, Patent Owner’s arguments are not persuasive.

Issue 2

Patent Owner’s arguments (Response 01/12/2015: pages 8-10) have been fully considered but are not persuasive.

Patent Owner argues the Kniffin reference does not disclose the limitations of the claim 1 including at least “a first control device, wherein said first control device one of generates and transmits a first signal for one of activating, deactivating, enabling, and disabling, one of a vehicle component, a vehicle device, a vehicle system, and a vehicle subsystem, wherein said first control device is located at the vehicle”. Patent Owner further states, “There is no intermediate control device Kniffin at the vehicle and, therefore, there is no recited first control device in Kniffin which is located at the vehicle which generates the recited first signal ...”.

At least Kniffin’s figure 1 shows the first control device (element 12 and/or 30), the second control device (the clearing house) and the third control device (elements 16 and 22). As explained in the corresponding sections of the specification and the request for reexamination, a user located remotely from the clearinghouse, which is itself remote from the lock 12 and lock mechanism 32, can access the lock mechanism (the lock mechanism 32 is the vehicle component; and/or element 64, figure 4). The clearinghouse and the control device 12 are the intermediate control devices between the user and the lock mechanism. Therefore, Patent Owner's argument is unpersuasive.

Additionally, Patent Owner argues “the vehicle access control device of Kniffin, or any components of same, cannot be and cannot serve as both the ‘first control device’ and the ‘one of the vehicle component ...” (Supplemental Response 02/26/2015: pages 12-17). This argument is also not persuasive. As the preceding paragraph makes clear, one element of Kniffin is not being cited for two elements of the claim language. Further, the ordinary and customary meaning of the claim terminology is being applied. As

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Patent Owner points out, claim 7 of the patent indicates the "vehicle component" could be a lock system, which is the interpretation that has been applied. The patent does not offer any definition of "first control device" that precludes various computer elements and receivers and transmitters. The instant patent does not offer a definition that indicates a vehicle component cannot be a subcomponent of another system. In fact, Kniffin's lock mechanism 32 is a "vehicle component" and so is the larger system 12, but control system 12 (or CPU 30) is also a "control device" under the ordinary meaning of the terms. Thus the claim to reference mapping illustrated above. Therefore, the cited prior art discloses the first control device and related signals. Again, Patent Owner's arguments are not persuasive.

Issue 3

Patent Owner's arguments (Response 01/12/2015: pages 11-13) have been fully considered but are not persuasive.

Patent Owner argues the Ryoichi reference does not disclose the limitations of the claim 1 including at least a "second control device" remote from the vehicle and responsive to a third control signal. Patent Owner further states, "Ryoichi merely discloses a telephone which transmits a radio signal which, if anything, is merely relayed unchanged to the vehicle by a communication relay system".

It is noted that whether the radio signal is unchanged or not is irrelevant to the claim language, which is silent to changing the transmitted signals. At least Ryoichi's figure 1 shows the second control device (element ST). As explained in the

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corresponding sections of the specification and the request for reexamination, a user/telephone located remotely from the telephone company's radio station (element ST), which is itself remote from the vehicle, can control the vehicle. Therefore, Patent Owner's argument is unpersuasive.

Additionally, Patent Owner argues "the fixed radio station St disclosed in Ryoichi is merely a part of, or a component of, a communication network and, therefore, it cannot be and cannot serve as the second control device of Claim 1" (Supplemental Response 02/26/2015: pages 17-21). This argument is also not persuasive. The ordinary and customary meaning of the claim terminology is being applied. The patent does not offer any definition of "second control device" that precludes a radio transmission device, such as radio St. Patent Owner has only offered vague citations from the instant patent's specification to an apparatus being used with communications systems, yet those citations do not define what the apparatus is. And the citations do not reference the second control device or its relationship to anything, much less whether it is distinct from communications systems. Indeed, the second control device may be one way in which the "apparatus" is used in conjunction with communications systems and/or Patent Owner's citations might be support for the second control device being part of the communications systems. Therefore, the cited prior art discloses the second control device and related signals. Again, Patent Owner's arguments are not persuasive.

Issue 4

Patent Owner's arguments (Response 01/12/2015: pages 13-15) have been fully considered but are not persuasive.

Patent Owner argues the Pagliaroli reference does not disclose the limitations of the claim 1 including at least a "second control device" remote from the vehicle and responsive to a third control signal. Patent Owner further states, "Pagliaroli merely discloses a telephone 48 which transmits a signal code 40 which, if anything, is merely relayed unchanged to the control unit 16 of, and located at, the vehicle".

It is noted that whether the signal is unchanged or not is irrelevant to the claim language, which is silent to changing the transmitted signals. As explained in the corresponding sections of the specification and the request for reexamination, at least a user/telephone 48 (claimed third control device) located remotely from mobile telephone transmitters 46 (claimed second control device), which is itself remote from the vehicle, can operate the control unit 16 of the vehicle (claimed first control device). Therefore, Patent Owner's argument is unpersuasive.

Additionally, Patent Owner argues "the mobile telephone signal transmitter 46 disclosed in Ryoichi is merely a part of, or a component of, a communication network and, therefore, it cannot be and cannot serve as the second control device of Claim 1" (Supplemental Response 02/26/2015: pages 22-25). This argument is also not persuasive. The ordinary and customary meaning of the claim terminology is being applied. The patent does not offer any definition of "second control device" that precludes mobile telephone transmitters 46 or 'cellular networks'. Patent Owner has only offered vague citations from the instant patent's specification to an apparatus being

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used with communications systems, yet those citations do not define what the apparatus is. And the citations do not reference the second control device or its relationship to anything, much less whether it is distinct from the communications systems. Indeed, the second control device may be one way in which the "apparatus" is used in conjunction with communications systems and/or Patent Owner's citations might be support for the second control device being part of the communications systems. Therefore, the cited prior art discloses the second control device and related signals. Again, Patent Owner's arguments are not persuasive.

Second Supplemental Response of 05/11/15

Patent Owner's arguments (Second Supplemental Response 05/11/2015) have been fully considered but are not persuasive.

First, as made clear previously, the ordinary and customary meaning of the claim language is being applied. At no point has a claim construction "broader than the broadest reasonable interpretation" (Patent Owner's term, page 3) been applied or been indicated as applied.

Second, Patent Owner does not offer an actual definition of "first control device". Instead, Patent Owner offers non-exhaustive "exemplary embodiments", "exemplary instances", and "examples". The term "control device" only appears in the abstract and claims and never to give an actual definition. Patent Owner's arguments give only examples and no definition. Therefore, the ordinary and customary meaning must be

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dependent on the words "control" and "device" themselves. Patent Owner says a CPU can be, but not "is" a first control device. Patent Owner attempts to take cited examples of "vehicle component ... systems" as indicating such components/systems are not control devices. This is logically backwards. Such citations only demonstrate components that can be vehicle components, and say nothing about whether such components are control devices. There is no express definition of "first control device".

Third, the citations applied to the claims from both Ramono and Kniffin use separate components that are electrically connected, though it is not clear that even this low hurdle is required by the claim language. In Ramono nothing is "broken up" into pieces. In Kniffin, the CPU and LOCK MECHANISM of figure 1 are separate, just like Patent Owner's Specification based examples. Furthermore, as both the cited prior art and Patent Owner's specification make clear, large components/devices/systems are often composed of other components/devices/systems. Patent Owner provides no reason why the claims cannot read upon these internal components.

Fourth, Patent Owner does not offer an actual definition of "second control device". Instead, Patent Owner offers non-exhaustive "exemplary embodiments", "exemplary instances", and "examples". The term "control device" only appears in the abstract and claims and never to give an actual definition. Patent Owner's arguments give only examples and no definition. Therefore, the ordinary and customary meaning must be dependent on the words "control" and "device" themselves. Patent Owner suggests specification language such as "apparatus may also be utilized in conjunction with a computer network" or "invention may be utilized in conjunction with any suitable

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communication device" indicates the "second control device" cannot be part of a communication system or device. To the contrary the cited specification examples indicate that the second control device may actually be the transmitter or receiver (such as a radio or cellular phone of Ryoich or Pagliaroli) to enable the "invention" or "apparatus" to work in conjunction with communications systems. Indeed, Patent Owner only bolsters the case that the claim language reads upon the cited prior art. Note, the citations are silent to what the "second control device" actually is and instead recite the vague "apparatus" or "invention".

For all the preceding reasons, Patent Owner's arguments are not persuasive.

THIS ACTION IS MADE FINAL.

A shortened statutory period for response to this action is set to expire 2 from the mailing date of this action.

Extensions of time under 37 CFR 1.136(a) do not apply in reexamination proceedings. The provisions of 37 CFR 1.136 apply only to “an applicant” and not to parties in a reexamination proceeding. Further, in 35 U.S.C. 305 and in 37 CFR 1.550(a), it is required that reexamination proceedings “will be conducted with special dispatch within the Office.”

Extensions of time in reexamination proceedings are provided for in 37 CFR 1.550(c). A request for extension of time must specify the requested period of extension and it must be accompanied by the petition fee set forth in 37 CFR 1.17(g). Any request for an extension in a third party requested *ex parte* reexamination must be filed on or before the day on which action by the patent owner is due, and the mere filing of a request will not effect any extension of time. A request for an extension of time in a third party requested *ex parte* reexamination will be granted only for sufficient cause, and for a reasonable time specified. Any request for extension in a patent owner requested *ex parte* reexamination (including reexamination ordered under 35 U.S.C. 257) for up to two months from the time period set in the Office action must be filed no later than two months from the expiration of the time period set in the Office action. A request for an extension in a patent owner requested *ex parte* reexamination for more than two months from the time period set in the Office action must be filed on or before the day on which action by the patent owner is due, and the mere filing of a request for an extension for more than two months will not effect the extension. The time for taking action in a patent owner requested *ex parte* reexamination will not be extended for more than two months from the time period set in the Office action in the absence of sufficient cause or for more than a reasonable time.

The filing of a timely first response to this final rejection will be construed as including a request to extend the shortened statutory period for an additional two months. In no event, however, will the statutory period for response expire later than SIX MONTHS from the mailing date of the final action. See MPEP § 2265.

Important Reexamination Notices

Extensions of Time

Extensions of time under 37 CFR 1.136(a) will not be permitted in these proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to parties in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extension of time in *ex parte* reexamination proceedings are provided for in 37 CFR 1.550(c).

Service of Papers

After filing of a request for *ex parte* reexamination by a third party requester, any document filed by either the patent owner or the third party requester must be served on the other party (or parties where two or more third party requester proceedings are merged) in the reexamination proceeding in the manner provided in 37 CFR 1.248. The document must reflect service or the document may be refused consideration by the Office. See 37 CFR 1.550(f).

Amendment to Reexamination Proceedings

Patent Owner is notified that any proposed amendment to the specification and/or claims in this reexamination proceeding must comply with 37 CFR 1.530(d)-(j), must be formally presented pursuant to 37 CFR 1.52(a) and (b), and must contain any fees required by 37 CFR 1.20(c). See MPEP 2250.

In order to ensure full consideration of any amendments, affidavits or declarations, or other documents as evidence of patentability, such documents must be submitted in response to the first Office action on the merits (which does not result in a close of prosecution). Submissions after the second Office action on the merits (which is intended to be a final action) will be governed by the requirements of 37 CFR 1.116 after final rejection and 37 CFR 41.33 after appeal, such requirements will be strictly enforced. See MPEP 2250 (IV) for examples to assist in the preparation of proper proposed amendments in reexamination proceedings.

Litigation Reminder

The patent owner is reminded of the continuing responsibility under 37 CFR 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 5,917,405 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

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Correspondence Information

All correspondence relating to this *ex parte* reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Reexamination Legal Advisor or Examiner, or as to the status of this proceeding should be directed to the Central Reexamination Unit at telephone number (571)272-7705.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR systems, see <http://pair-direct.uspto.gov>. For questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/William H. Wood/
Reexamination Specialist, Art Unit 3992
May 21, 2015

Conferees:
/Karin Reichle/
Primary Examiner, Art Unit 3992

/Woo H. Choi/
SPRS, Art Unit 3992

Office Action in Ex Parte Reexamination	Control No. 90/013,300	Patent Under Reexamination 5917405	
	Examiner WILLIAM H. WOOD	Art Unit 3992	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

- a. Responsive to the communication(s) filed on 02/26/2015.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- b. This action is made FINAL.
- c. A statement under 37 CFR 1.530 has not been received from the patent owner.

A shortened statutory period for response to this action is set to expire 2 month(s) from the mailing date of this letter. Failure to respond within the period for response will result in termination of the proceeding and issuance of an *ex parte* reexamination certificate in accordance with this action. 37 CFR 1.550(d). **EXTENSIONS OF TIME ARE GOVERNED BY 37 CFR 1.550(c)**. If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 3. <input type="checkbox"/> Interview Summary, PTO-474. |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statement, PTO/SB/08. | 4. <input type="checkbox"/> _____. |

Part II SUMMARY OF ACTION

- 1a. Claims 1 are subject to reexamination.
- 1b. Claims 2-20 are not subject to reexamination.
2. Claims _____ have been canceled in the present reexamination proceeding.
3. Claims _____ are patentable and/or confirmed.
4. Claims 1 are rejected.
5. Claims _____ are objected to.
6. The drawings, filed on _____ are acceptable.
7. The proposed drawing correction, filed on _____ has been (7a) approved (7b) disapproved.
8. Acknowledgment is made of the priority claim under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some* c) None of the certified copies have

- 1 been received.
- 2 not been received.
- 3 been filed in Application No. _____.
- 4 been filed in reexamination Control No. _____.
- 5 been received by the International Bureau in PCT application No. _____.

* See the attached detailed Office action for a list of the certified copies not received.

9. Since the proceeding appears to be in condition for issuance of an *ex parte* reexamination certificate except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte* Quayle, 1935 C.D. 11, 453 O.G. 213.
10. Other: _____

cc: Requester (if third party requester)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 32

Complete if Known

Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,669,288	06-13-1972	YOUNG	
		US- 4,003,045	01-11-1977	STOCKDALE	
		US- 4,050,301	09-27-1977	CUSHING	
		US- 4,064,509	12-20-1977	STOCKDALE	
		US- 4,074,248	02-14-1978	STOCKDALE	
		US- 4,100,543	07-11-1978	STOCKDALE, et al.	
		US- 4,137,429	01-30-1979	STOCKDALE	
		US- 4,137,553	01-30-1979	TOKITSU, et al.	
		US- 4,138,657	02-06-1979	SHAVE	
		US- 4,145,581	03-20-1979	STOCKDALE	
		US- 4,156,235	05-22-1979	STOCKDALE	
		US- 4,156,286	05-22-1979	CONNORS, et al.	
		US- 4,191,948	03-04-1980	STOCKDALE	
		US- 4,201,908	05-06-1980	JOHNSON, et al.	
		US- 4,236,215	11-25-1980	CALLAHAN, et al.	
		US- 4,258,421	03-24-1981	JUHASZ, et al.	
		US- 4,263,945	04-28-1981	VAN NESS	
		US- 4,337,651	07-06-1982	YOSHINO, et al.	
		US- 4,378,574	03-29-1983	STEPHENSON	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/William Wood/	Date Considered	05/06/2015
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 32**Complete if Known**

Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,409,670	10-11-1983	HERNDON, et al.	
		US- 4,454,583	06-12-1984	SCHNEIDERHAN, et al.	
		US- 4,470,116	09-04-1984	RATCHFORD	
		US- 4,489,387	12-18-1984	LAMB, et al.	
		US- 4,498,075	02-05-1985	GAUDIO	
		US- 4,524,243	06-18-1985	SHAPIRO	
		US- 4,554,584	11-19-1985	ELAM, et al.	
		US- 4,591,823	05-27-1986	HORVAT	
		US- 4,596,988	06-24-1986	WANKA	
		US- 4,602,127	07-22-1986	NEELY, et al.	
		US- 4,604,711	08-05-1986	BENN, et al.	
		US- 4,622,541	11-11-1986	STOCKDALE	
		US- 4,623,320	11-18-1986	KAKIZAKI, et al.	
		US- 4,638,289	01-20-1987	ZOTNIK	
		US- 4,644,494	02-17-1987	MULLER	
		US- 4,645,872	02-24-1987	PRESSMAN, et al.	
		US- 4,656,585	04-07-1987	STEPHENSON	
		US- 4,660,145	04-21-1987	HANSEN	
		US- 4,671,111	06-09-1987	LEMELSON	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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Sheet 3 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		US- 4,673,937	06-16-1987	DAVIS	
		US- 4,677,429	06-30-1987	GLOTZBACH	
		US- 4,682,292	07-21-1987	BUE, et al.	
		US- 4,729,102	03-01-1988	MILLER, JR., et al.	
		US- 4,768,087	08-30-1988	TAUB, et al.	
		US- 4,775,028	10-04-1988	DE HERRING	
		US- 4,785,404	11-15-1988	SIMS, et al.	
		US- 4,833,450	05-23-1989	BUCCOLA, et al.	
		US- 4,835,546	05-30-1989	KELLER	
		US- 4,837,798	06-06-1989	COHEN, et al.	
		US- 4,838,275	06-13-1989	LEE	
		US- 4,841,815	06-27-1989	TAKAHASHI	
		US- 4,853,850	08-01-1989	KRASS, JR., et al.	
		US- 4,860,112	08-22-1989	NICHOLS, et al.	
		US- 4,876,597	10-24-1989	ROY, et al.	
		US- 4,878,175	10-31-1989	NORDEN-PAUL, et al.	
		US- 4,882,579	11-21-1989	SIWIAK	
		US- 4,882,743	11-21-1989	MAHMOUD	
		US- 4,882,746	11-21-1989	SHIMADA	

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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>90/013,300</td> </tr> <tr> <td>Filing Date</td> <td>JULY 21, 2014</td> </tr> <tr> <td>First Named Inventor</td> <td>RAYMOND A. JOAO</td> </tr> <tr> <td>Art Unit</td> <td>3992</td> </tr> <tr> <td>Examiner Name</td> <td>W. WOOD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>REEXAM-5917405</td> </tr> </table>	Application Number	90/013,300	Filing Date	JULY 21, 2014	First Named Inventor	RAYMOND A. JOAO	Art Unit	3992	Examiner Name	W. WOOD	Attorney Docket Number	REEXAM-5917405
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Sheet 4 of 32													

U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
		US- 4,908,629	03-13-1990	APSELL, et al.	
		US- 4,931,793	06-05-1990	FUHRMANN, et al.	
		US- 4,945,410	07-31-1990	WALLING	
		US- 4,958,454	09-25-1990	CHAN, et al.	
		US- 4,959,713	09-25-1990	MOROTOMI, et al.	
		US- 4,963,995	10-16-1990	LANG	
		US- 4,988,992	01-29-1991	HEITSCHER, et al.	
		US- 4,989,146	01-29-1991	IMAJO	
		US- 5,002,491	03-26-1991	ABRAHAMSON, et al.	
		US- 5,003,317	03-26-1991	GRAY, et al.	
		US- 5,005,126	04-02-1991	HASKIN	
		US- 5,008,840	04-16-1991	DEPIERRO	
		US- 5,031,103	07-09-1991	KAMIMURA, et al.	
		US- 5,056,056	10-08-1991	GUSTIN	
		US- 5,057,932	10-15-1991	LANG	
		US- 5,058,423	10-22-1991	OZAKI, et al.	
		US- 5,065,321	11-12-1991	BEZOS, et al.	
		US- 5,068,656	11-26-1991	SUTHERLAND	
		US- 5,075,527	12-24-1991	IKUMA	

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Sheet 5 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 5,081,667	01-14-1992	DRORI, et al.	
		US- 5,084,828	01-28-1992	KAUFMAN, et al.	
		US- 5,086,385	02-04-1992	LAUNEY, et al.	
		US- 5,097,253	03-17-1992	ESCHBACH, et al.	
		US- 5,113,427	05-12-1992	RYOICHI, et al.	
		US- 5,115,678	05-26-1992	OZAKI, et al.	
		US- 5,128,874	07-07-1992	BHANU, et al.	
		US- 5,132,992	07-21-1992	YURT, et al.	
		US- 5,133,079	07-21-1992	BALLANTYNE, et al.	
		US- 5,138,649	08-11-1992	KRISBERGH, et al.	
		US- 5,144,661	09-01-1992	SHAMOSH, et al.	
		US- 5,157,491	10-20-1992	KASSATLY	
		US- 5,164,839	11-17-1992	LANG	
		US- 5,173,932	12-22-1992	JOHANSSON, et al.	
		US- 5,189,396	02-23-1993	STOBBE	
		US- 5,192,999	03-09-1993	GRACZYK, et al.	
		US- 5,195,126	03-16-1993	CARRIER, et al.	
		US- 5,206,934	04-27-1993	NAEF, III	
		US- 5,208,756	05-04-1993	SONG	

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Sheet 6 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		US- 5,223,844	06-29-1993	MANSELL, et al.	
		US- 5,224,211	06-29-1993	ROE	
		US- 5,239,468	08-24-1993	SEWERSKY, et al.	
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		US- 5,247,564	09-21-1993	ZICKER	
		US- 5,253,275	10-12-1993	YURT, et al.	
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		US- 5,317,323	05-31-1994	KENNEDY, et al.	
		US- 5,318,450	06-07-1994	CARVER	
		US- 5,331,577	07-19-1994	GRIMES	
		US- 5,334,974	08-02-1994	SIMMS, et al.	
		US- 5,347,306	09-13-1994	NITTA	

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Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
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		US- 5,381,412	01-10-1995	OTANI	
		US- 5,389,935	02-14-1995	DROUVAULT, et al.	
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		US- 5,418,537	05-23-1995	BIRD	
		US- 5,430,432	07-04-1995	CAMHI, et al.	
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		US- 5,438,517	08-01-1995	SENNOTT, et al.	
		US- 5,440,334	08-08-1995	WALTERS, et al.	
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		US- 5,446,659	08-29-1995	YAMAWAKI	
		US- 5,457,630	10-10-1995	PALMER	
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		US- 5,479,206	12-26-1995	UENO, et al.	
		US- 5,497,419	03-05-1996	HILL	
		US- 5,508,733	04-16-1996	KASSATLY	
		US- 5,508,736	04-16-1996	COOPER	
		US- 5,509,009	04-16-1996	LAYCOCK, et al.	

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Examiner Signature	/William Wood/	Date Considered	05/06/2015
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 8

of 32

Complete if Known

Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,510,828	04-23-1996	LUTTERBACH, et al.	
		US- 5,510,832	04-23-1996	GARCIA	
		US- 5,512,902	04-30-1996	GUTHRIE, et al.	
		US- 5,513,244	04-30-1996	JOAO, et al.	
		US- 5,515,043	05-07-1996	BERARD, et al.	
		US- 5,526,269	06-11-1996	ISHIBASHI, et al.	
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		US- 5,537,143	07-16-1996	STEINGOLD, et al.	
		US- 5,541,585	07-30-1996	DUHAME, et al.	
		US- 5,544,649	08-13-1996	DAVID, et al.	
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		US- 5,553,609	09-10-1996	CHEN, et al.	
		US- 5,557,254	09-17-1996	JOHNSON, et al.	
		US- 5,559,511	09-24-1996	ITO, et al.	
		US- 5,563,453	10-08-1996	NYFELT	

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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Application Number</td> <td>90/013,300</td> </tr> <tr> <td>Filing Date</td> <td>JULY 21, 2014</td> </tr> <tr> <td>First Named Inventor</td> <td>RAYMOND A. JOAO</td> </tr> <tr> <td>Art Unit</td> <td>3992</td> </tr> <tr> <td>Examiner Name</td> <td>W. WOOD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>REEXAM-5917405</td> </tr> </table>	Application Number	90/013,300	Filing Date	JULY 21, 2014	First Named Inventor	RAYMOND A. JOAO	Art Unit	3992	Examiner Name	W. WOOD	Attorney Docket Number	REEXAM-5917405
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Attorney Docket Number	REEXAM-5917405												
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U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
		US- 5,566,084	10-15-1996	CMAR	
		US- 5,568,535	10-22-1996	SHEFFER, et al.	
		US- 5,572,438	11-05-1996	EHLERS, et al.	
		US- 5,577,689	11-26-1996	HARO	
		US- 5,587,715	12-24-1996	LEWIS	
		US- 5,594,425	01-14-1997	LADNER, et al.	
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		US- 5,600,368	02-04-1997	MATTHEWS, III	
		US- 5,602,450	02-11-1997	COWAN, et al.	
		US- 5,606,361	02-25-1997	DAVIDSOHN, et al.	
		US- 5,627,753	05-06-1997	BRANKIN, et al.	
		US- 5,633,872	05-27-1997	DINKINS	
		US- 5,640,442	06-17-1997	FITZGERALD, et al.	
		US- 5,660,246	08-26-1997	KAMAN	
		US- 5,668,537	09-16-1997	CHANSKY, et al.	
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		US- 5,694,335	12-02-1997	HOLLENBERG	
		US- 5,699,276	12-16-1997	ROOS	

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Sheet 10 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 5,710,970	01-20-1998	WALTERS, et al.	
		US- 5,712,789	01-27-1998	RADICAN	
		US- 5,715,905	02-10-1998	KAMAN	
		US- 5,717,379	02-10-1998	PETERS	
		US- 5,719,771	02-17-1998	BUCK, et al.	
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Sheet 11 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		US- 5,758,300	05-26-1998	ABE	
		US- 5,758,313	05-26-1998	SHAH, et al.	
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		US- 5,769,643	06-23-1998	STEVENS, III	
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Sheet 12 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
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		US- 5,862,500	01-19-1999	GOODWIN	
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Sheet 13 of 32

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Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
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		US- 5,877,707	03-02-1999	KOWALICK	
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Examiner Signature	/William Wood/	Date Considered	05/06/2015
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 14 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,922,037	07-13-1999	POTTS	
		US- 5,929,850	07-27-1999	BROADWIN, et al.	
		US- 5,931,878	08-03-1999	CHAPIN, JR.	
		US- 5,948,026	09-07-1999	BEEMER, II., et al.	
		US- 5,949,345	09-07-1999	BECKERT, et al.	
		US- 5,959,577	09-28-1999	FAN, et al.	
		US- 5,963,202	10-05-1999	POLISH	
		US- 5,969,714	10-19-1999	BUTCHER	
		US- 5,969,953	10-19-1999	PURDOM, et al.	
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		US- 5,974,349	10-26-1999	LEVINE	
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		US- 5,983,161	11-09-1999	LEMELSON, et al.	
		US- 5,988,645	11-23-1999	DOWNING	
		US- 5,995,705	11-30-1999	LANG	

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Sheet 15 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 5,999,808	12-07-1999	LADUE	
		US- 6,001,065	12-14-1999	DEVITO	
		US- 6,002,720	12-14-1999	YURT, et al.	
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		US- 6,018,710	01-25-2000	WYNBLATT, et al.	
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		US- 6,023,708	02-08-2000	MENDEZ, et al.	
		US- 6,028,537	02-22-2000	SUMAN, et al.	

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Sheet 16 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 6,044,990	04-04-2000	PALMERI	
		US- 6,046,678	04-04-2000	WILK	
		US- 6,047,264	04-04-2000	FISHER, et al.	
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		US- 6,067,571	05-23-2000	IGARASHI, et al.	
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		US- 6,131,096	10-10-2000	NG, et al.	
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Art Unit	3992
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		US- 6,141,620	10-31-2000	ZYBURT, et al.	
		US- 6,144,702	11-07-2000	YURT, et al.	
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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
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		US- 6,244,758	06-12-2001	SOLYMAR, et al.	
		US- 6,249,241	06-19-2001	JORDAN, et al.	
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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>90/013,300</td> </tr> <tr> <td>Filing Date</td> <td>JULY 21, 2014</td> </tr> <tr> <td>First Named Inventor</td> <td>RAYMOND A. JOAO</td> </tr> <tr> <td>Art Unit</td> <td>3992</td> </tr> <tr> <td>Examiner Name</td> <td>W. WOOD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>REEXAM-5917405</td> </tr> </table>	Application Number	90/013,300	Filing Date	JULY 21, 2014	First Named Inventor	RAYMOND A. JOAO	Art Unit	3992	Examiner Name	W. WOOD	Attorney Docket Number	REEXAM-5917405
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		US- 6,389,337	05-14-2002	KOLLS	
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Examiner Signature	/William Wood/	Date Considered	05/06/2015
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**INFORMATION DISCLOSURE
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Sheet 20 of 32

Complete if Known

Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,427,063	07-30-2002	COOK, et al.	
		US- 6,429,810	08-06-2002	DE ROCHE	
		US- 6,430,531	08-06-2002	POLISH	
		US- 6,430,603	08-06-2002	HUNTER	
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		US- 6,431,985	08-13-2002	KIM	
		US- 6,437,692	08-20-2002	PETITE, et al.	
		US- 6,464,142	10-15-2002	DENENBERG, et al.	
		US- 6,474,927	11-05-2002	MCADAMS, et al.	
		US- 6,493,685	12-10-2002	ENSEL, et al.	
		US- 6,525,780	02-25-2003	BRUNO, et al.	
		US- 6,542,076	04-01-2003	JOAO	
		US- 6,542,077	04-01-2003	JOAO	
		US- 6,549,130	04-15-2003	JOAO	
		US- 6,567,813	05-20-2003	ZHU, et al.	
		US- 6,587,046	07-01-2003	JOAO	
		US- 6,601,087	07-29-2003	ZHU, et al.	
		US- 6,608,559	08-19-2003	LEMELSON, et al.	
		US- 6,610,954	08-26-2003	TAKIZAWA	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/William Wood/	Date Considered	05/06/2015
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Sheet 21 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 6,615,186	09-02-2003	KOLLS	
		US- 6,621,827	09-16-2003	REZVANI, et al.	
		US- 6,646,655	11-11-2003	BRANDT, et al.	
		US- 6,654,032	11-25-2003	ZHU, et al.	
		US- 6,686,838	02-03-2004	REZVANI, et al.	
		US- 6,691,154	02-10-2004	ZHU, et al.	
		US- 6,707,484	03-16-2004	KAWASAKI, et al.	
		US- 6,708,221	03-16-2004	MENDEZ, et al.	
		US- 6,725,460	04-20-2004	NISHIYAMA, et al.	
		US- 6,726,094	04-27-2004	RANTZE, et al.	
		US- 6,745,027	06-01-2004	TWITCHELL, JR.	
		US- 6,763,501	07-13-2004	ZHU, et al.	
		US- 6,766,454	07-20-2004	RIGGINS	
		US- 6,789,119	09-07-2004	ZHU, et al.	
		US- RE38,609	10-05-2004	CHEN, et al.	
		US- 6,804,656	10-12-2004	ROSENFELD, et al.	
		US- 6,810,488	10-26-2004	TENG	
		US- 6,816,616	11-09-2004	TENG	
		US- 6,816,817	11-09-2004	RETLICH, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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Sheet 22

of 32

Complete if Known

Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

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		Number-Kind Code ² (if known)			
		US- 6,850,965	02-01-2005	ALLEN	
		US- 6,882,269	04-19-2005	MORENO	
		US- 6,901,439	05-31-2005	BONASIA, et al.	
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		US- 6,930,455	08-16-2005	CHANSKY, et al.	
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		US- 20010032099	10-18-2001	JOAO	
		US- 20020016655	02-07-2002	JOAO	
		US- 20020017996	02-14-2002	NIEMIEC	
		US- 20020032583	03-14-2002	JOAO	
		US- 20020046299	04-18-2002	LEFEBER, et al.	
		US- 20020049622	04-25-2002	LETTICH, et al.	
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		US- 20020077077	06-20-2002	REZVANI, et al.	

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Examiner
Signature

/William Wood/

Date
Considered

05/06/2015

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Sheet 23 of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
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		Number-Kind Code ² (if known)			
		US- 20020099567	07-25-2002	JOAO	
		US- 20020108125	08-08-2002	JOAO	
		US- 20020116318	08-22-2002	THOMAS, et al.	
		US- 20020121969	09-05-2002	JOAO	
		US- 20020198774	12-26-2002	WEIRICH	
		US- 20030009361	01-09-2003	HANCOCK, et al.	
		US- 20030014295	01-16-2003	BROCKES, et al.	
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		US- 20030071899	04-17-2003	JOAO	
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		US- 20030140107	07-24-2003	REZVANI, et al.	
		US- 20030193404	10-16-2003	JOAO	
		US- 20030206102	11-06-2003	JOAO	
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		US- 20040160319	08-19-2004	JOAO	
		US- 20040230601	11-18-2004	JOAO, et al.	

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Examiner Signature	/William Wood/	Date Considered	05/06/2015
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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;"><i>(Use as many sheets as necessary)</i></p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>90/013,300</td> </tr> <tr> <td>Filing Date</td> <td>JULY 21, 2014</td> </tr> <tr> <td>First Named Inventor</td> <td>RAYMOND A. JOAO</td> </tr> <tr> <td>Art Unit</td> <td>3992</td> </tr> <tr> <td>Examiner Name</td> <td>W. WOOD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>REEXAM-5917405</td> </tr> </table>	Application Number	90/013,300	Filing Date	JULY 21, 2014	First Named Inventor	RAYMOND A. JOAO	Art Unit	3992	Examiner Name	W. WOOD	Attorney Docket Number	REEXAM-5917405
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Sheet 25 of 32													

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		US- 5,006,840	04-09-1991	HAMADA, et al.	
		US- 5,436,960	07-25-1995	CAMPANA, JR., et al.	
		US- 5,625,670	04-29-1997	CAMPANA, JR., et al.	
		US- 5,819,172	10-06-1998	CAMPANA, JR., et al.	
		US- 5,976,567	11-02-1999	WHEELER, et al.	
		US- 5,978,648	11-02-1999	GEORGE, et al.	
		US- 6,020,825	02-01-2000	CHANSKY, et al.	
		US- 6,067,451	05-23-2000	CAMPANA, JR., et al.	
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		US- 20020049822	04-25-2002	BURKHARDT, et al.	
		US- 20020049622	04-25-2002	LETTICH, et al.	
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Examiner Signature	/William Wood/	Date Considered	05/06/2015
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Sheet 26 of 32

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		US- 6,001,066	12-14-1999	CANFIELD, et al.	
		US- SN 08/681,172		POLISH	
		US- SN 60/014,427		DIRIENZO	
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		US- 5,445,347	08-29-1995	NG	
		US- 2,674,352	04-06-1954	BRAUN, SR.	
		US- 4,206,449	06-03-1980	GALVIN, et al.	
		US- 4,216,375	08-05-1980	ULCH, et al.	
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		US- 4,896,580	01-30-1990	RUDNICKI	
		US- 4,991,123	02-05-1991	CASAMASSIMA	
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		US- 5,168,170	12-01-1992	HARTIG	
		US- 5,210,873	05-11-1993	GAY, et al.	
		US- 5,223,816	06-29-1993	LEVINSON, et al.	
		US- 5,295,551	03-22-1994	SUKONICK	

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**INFORMATION DISCLOSURE
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Sheet 27

of 32

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Application Number	90/013,300
Filing Date	JULY 21, 2014
First Named Inventor	RAYMOND A. JOAO
Art Unit	3992
Examiner Name	W. WOOD
Attorney Docket Number	REEXAM-5917405

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,321,396	06-14-1994	LAMMING, et al.	
		US- 5,515,285	05-07-1996	GARRETT, SR., et al.	
		US- 5,523,950	06-04-1996	PETERSON	
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		US- 5,790,019	08-04-1998	EDWIN	
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		US- 3,482,037	12-02-1969	BROWN, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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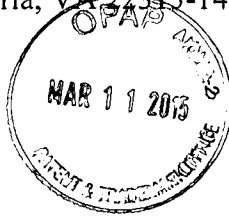
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Raymond A. Joao

REEXAM-5917405

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Reexamination of: PATENT OF RAYMOND A. JOAO

Patent No.: 5,917,405

For: CONTROL APPARATUS AND METHODS FOR VEHICLES

Control No.: 90/013,300

Issue Date: JUNE 29, 1999

Examiner: WILLIAM H. WOOD

Group Art Unit: 3992

Confirmation No.: 1673

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INFORMATION DISCLOSURE STATEMENT

Sir:

This is an Information Disclosure Statement in the above-identified Reexamination proceeding. The Patent Owner respectfully requests that the documents listed on the attached INFORMATION DISCLOSURE STATEMENT BY APPLICANT

forms PTO/SB/08b (29 pages) and PTO/SB/08a (6 pages) be made of record and be considered in connection with the reexamination of the above-identified Patent.

Copies of the cited references, except for those cited references which are listed in Appendix A (attached hereto), are contained on the disc submitted herewith.

Entry of this Information Disclosure Statement is respectfully requested.

Respectfully Submitted,



Raymond A. Joao
Reg. No. 35,907

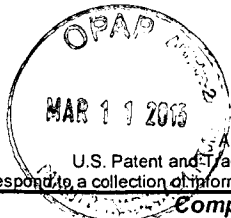
Encls: - APPENDIX A
- Forms PTO/SB/08b (29 sheets)
- Forms PTO/SB/08a (6 sheets)
- Disc containing references

Date: March 11, 2015

Raymond A. Joao, Esq.
122 Bellevue Place
Yonkers, New York 10703
Tel. (914) 969-2992

APPENDIX A

Page No. (/35)	Title
01/35	Nishikawa
01/35	Lin et al. Heterogeneous Personal Communications Services
03/35	Connectix Quickcam
09/35	Caglayan et al.
10/35	Goldberg "The Mercury Project"
12/35	Matracom M05
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21/35	Perry, Tekla S. "Careers/People" IEEE 1991
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		Art Unit	3992
		Examiner Name	W. WOOD
Sheet 1 of 35	Attorney Docket Number	REEXAM-5917405	

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		First Named Inventor	RAYMOND A. JOAO
		Art Unit	3992
		Examiner Name	W. WOOD
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Sheet	2	of	35

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/WW/		KITTS, "A Global Spacecraft Control Network for Spacecraft Autonomy Research"	
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Sheet	3	of	35	Attorney Docket Number	REEXAM-5917405

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/WW/		JOHANNESEN, "FLEET MANAGEMENT USING INMARSAT-C AND GPS - A NORWEGIAN PILOT PROJECT" Vehicle Navigation & Information Systems, 1992, Pages 305-310, IEEE.	
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		ALLEN, MIKE, "BEYOND THE CAR PHONE," Popular Mechanics, August 1996	
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		"W. Ga. Resa Chooses the Network Connection's Cheetah Video On Demand Server for Classroom of the Future," May 15, 1995, PR Newswire	
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		Art Unit	3992
		Examiner Name	W. WOOD
Sheet 7	of 35	Attorney Docket Number	REEXAM-5917405

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		First Named Inventor	RAYMOND A. JOAO
		Art Unit	3992
		Examiner Name	W. WOOD
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		Attorney Docket Number	REEXAM-5917405

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		Filing Date	JULY 21, 2014		
		First Named Inventor	RAYMOND A. JOAO		
		Art Unit	3992		
		Examiner Name	W. WOOD		
Sheet	23	of	35	Attorney Docket Number	REEXAM-5917405

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