

08-31-2006

Form PTO-1585 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)



U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

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**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Hans Gregory Schantz, Robert Edward DePierre,  
James D. Fluhler, Kazimierz Siwiak, Jerome S. Gabig, and  
Glenn Wolynec

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) June 23, 2006

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: The Q-Track Corporation

Internal Address: \_\_\_\_\_

Street Address: 515 Sparkman Drive

City: Huntsville

State: AL

Country: USA Zip: 35816

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)  
11/473,595

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Dr. Hans Schantz

Internal Address: \_\_\_\_\_

Street Address: 515 Sparkman Drive

City: Huntsville

State: AL Zip: 35816

Phone Number: (256) 489-0075

Fax Number: (256) 704-6002

Email Address: h.schantz@q-track.com

**6. Total number of applications and patents involved:** 1 (one)

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

Aug. 24, 2006  
Date

08/30/2006 DBYRNE 00000016 11473595

01 FC-8021

40.00 DR  
Dr. Hans Schantz

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

**10**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 018243 FRAME: 0437**

062306  
18379 U.S. PTO  
6-22-06

07-03-2006



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PTO/SB/05 (09-04)  
roved for use through 07/31/2006. OMB 0651-0032  
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Under the Paperwork Reduction Act of 1997

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	
First Inventor	Hans Gregory Schantz
Title	Space Efficient Magnetic...
Express Mail Label No.	ER 678015327 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  **Fee Transmittal Form** (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  **Applicant claims small entity status.**  
See 37 CFR 1.27.
3.  **Specification** [Total Pages 64]  
Both the claims and abstract must start on a new page  
(For information on the preferred arrangement, see MPEP 608.01(a))
4.  **Drawing(s)** (35 U.S.C. 113) [Total Sheets 15]
5. **Oath or Declaration** [Total Sheets 2 (two)]  
 a.  Newly executed (original or copy)  
 b.  A copy from a prior application (37 CFR 1.63(d))  
 (for continuation/divisional with Box 18 completed)  
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 name in the prior application, see 37 CFR  
 1.63(d)(2) and 1.33(b).  
 c.  Statements verifying identity of above copies
6.  **Application Data Sheet.** See 37 CFR 1.76 (five) 5
7.  **CD-ROM or CD-R** in duplicate, large table or  
Computer Program (Appendix)  
 Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, items a. - c. are required)  
 a.  Computer Readable Form (CRF)  
 b.  Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or  
 ii.  Paper

**ADDRESS TO:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

**ACCOMPANYING APPLICATION PARTS**

9.  **Assignment Papers** (cover sheet & document(s))  
Name of Assignee \_\_\_\_\_  
The Q-Track Corporation
10.  **37 CFR 3.73(b) Statement**  **Power of Attorney**  
(when there is an assignee)
11.  **English Translation Document** (if applicable)
12.  **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)  
 Copies of citations attached
13.  **Preliminary Amendment**
14.  **Return Receipt Postcard** (MPEP 503)  
(Should be specifically itemized)
15.  **Certified Copy of Priority Document(s)**  
(if foreign priority is claimed)
16.  **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: 1.1/272,533.....

Prior application information: Examiner Unknown Art Unit: \_\_\_\_\_

**19. CORRESPONDENCE ADDRESS**

The address associated with Customer Number: \_\_\_\_\_ OR  Correspondence address below

Name	Hans Gregory Schantz				
Address	515 Sparkman Drive				
City	Huntsville	State	AL	Zip Code	35816
Country	USA	Telephone	(256) 337-3012	Fax	(256) 704-6002

Signature		Date	June 23, 2006
Name (Print/Type)	Hans Gregory Schantz	Registration No. (Attorney/Agent)	

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO  
11/473595  
11/473595  
062206

**PATENT**

**REEL: 018243 FRAME: 0438**

# Assignment of Patent Rights

In consideration of Two Dollars and other good and valuable consideration, the receipt of which is acknowledged, I, **Hans G. Schantz**, residing in **Hampton Cove, AL**, do hereby sell and assign to **Q-Track Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

June 23, 2006  
Date

Hans Schantz  
Hans G. Schantz

STATE OF ALABAMA  
COUNTY OF MADISON

I, Rudolph W. Warner, a Notary Public for said County and State, do hereby certify that **Hans G. Schantz** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this 23<sup>rd</sup> day of June, 2006.

Rudolph W. Warner  
Notary Public

My Commission expires on:

**MY COMMISSION EXPIRES 8-20-2008**

# Assignment of Patent Rights

In consideration of Two Dollars and other good and valuable consideration, the receipt of which is acknowledged, I, **Robert E. DePierre**, residing in **Huntsville, AL**, do hereby sell and assign to **Q-Track Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

6/23/06

Date

Robert E. DePierre

Robert E. DePierre

STATE OF ALABAMA  
COUNTY OF MADISON

I, Cindy M. Warner

, a Notary Public for said County and State, do hereby certify that **Robert E. DePierre** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this 23<sup>rd</sup> day of June, 2006.

Cindy M. Warner  
Notary Public

My Commission expires on:

**MY COMMISSION EXPIRES 8-20-2008**

# Assignment of Patent Rights

In consideration of Two Dollars and other good and valuable consideration, the receipt of which is acknowledged, I, **James D. Fluhler**, residing in **Madison, AL**, do hereby sell and assign to **Q-Track Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

6/23/06  
Date

James D. Fluhler  
James D. Fluhler

STATE OF ALABAMA  
COUNTY OF MADISON

I, Quincy M. Warner, a Notary Public for said County and State, do hereby certify that **James D. Fluhler** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this 23<sup>rd</sup> day of June, 2006.

Quincy M. Warner  
Notary Public

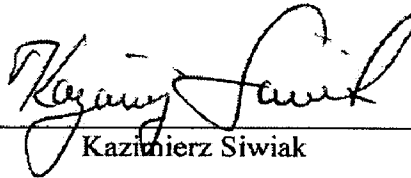
My Commission expires on:

MY COMMISSION EXPIRES 8-20-2008

**Assignment of Patent Rights**

In consideration of one dollar and other good and valuable consideration, the receipt of which is acknowledged, I, **Kazimierz Siwiak**, residing at 10988 NW 14 Street, Coral Springs, FL 33071-8222, AL do hereby sell and assign to **Q-Track Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

22 June 2006  
Date

  
Kazimierz Siwiak

STATE OF FLORIDA  
COUNTY OF Broward

I, \_\_\_\_\_, a Notary Public for said County and State, do hereby certify that **Kazimierz Siwiak** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this \_\_\_\_ day of \_\_\_\_\_, 2006.

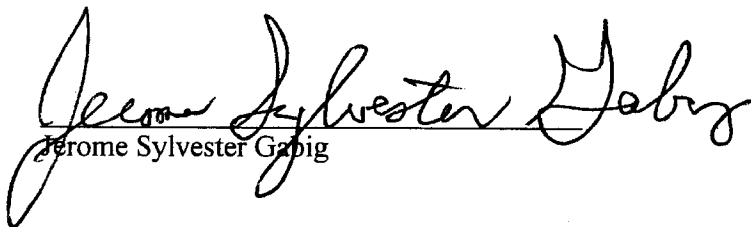
\_\_\_\_\_  
Notary Public

My Commission expires on:  
\_\_\_\_\_


**Assignment of Patent Rights**

In consideration of Two Dollars and other good and valuable consideration, the receipt of which is acknowledged, I, **Jerome Sylvester Gabig**, residing in **Brownsboro, AL**, do hereby sell and assign to **Q-Track, Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

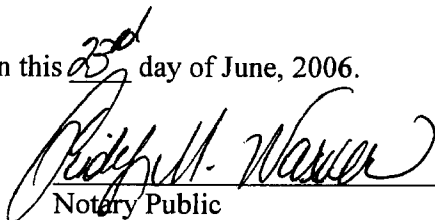
June 23, 2006  
Date

  
Jerome Sylvester Gabig

STATE OF ALABAMA  
COUNTY OF MADISON

I, , a Notary Public for said County and State, do hereby certify that **Jerome Sylvester Gabig** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this 23<sup>rd</sup> day of June, 2006.

  
Notary Public

My Commission expires on:

**MY COMMISSION EXPIRES 8-20-2008**

**Assignment of Patent Rights**

In consideration of Two Dollars and other good and valuable consideration, the receipt of which is acknowledged, I, **Glenn Wolene**c, residing at 773 Seina Vista Drive, Huntsville, AL do hereby sell and assign to **Q-Track Corporation** having an office at **515 Sparkman Drive NW, Huntsville, Alabama, 35816** (the Company), its successors and assigns, the entire rights, title, and interests in and to the invention and improvements described in a patent application entitled "**Space Efficient Magnetic Antenna System**" which is a continuation-in-part of U.S. patent application Serial No. 11/272,533 filed November 10, 2005 and any and all divisional continuation, continuation-in-part, re-examination and reissue patent applications filed based on said invention and improvements thereof in the United States or in any country around the world; all rights of priority resulting from filing of any patent application based on said invention and improvements thereof, either in a national phase or under a treaty in force and effect anywhere around the world; and I hereby authorize and request any official whose duty it is to issue patents, to issue any and all patents on said invention and improvements thereof to the Company, its successor and assigns; and I hereby agree that upon request by the Company, its successors and assigns, and without further consideration, but at the expense of said Company, its successors and assigns, I shall perform all acts and execute all documents reasonably necessary or desirable, including making rightful oaths, testifying in court and communicating known facts, and generally doing everything possible to aid said Company, its successors and assigns, to secure patent rights in said invention and improvements thereof and to enforce and defend any patent rights in said invention and improvements thereof in any country around the world.

June 23, 2006  
Date

Glenn Wolenec  
Glenn Wolene

STATE OF ALABAMA  
COUNTY OF MADISON

I, Cindy M. Warner, a Notary Public for said County and State, do hereby certify that **Glenn Wolene**c personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal on this 23<sup>rd</sup> day of June, 2006.

Cindy M. Warner  
Notary Public

My Commission expires on:  
**MY COMMISSION EXPIRES 8-20-2008**