

01-04-2005

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

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



102903135
PATENTS ONLY

10-02-01



122004

19270 U.S. IPTO
11/015653

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)/Execution Date(s):
(1.) David F. Sorrells; (2.) Michael J. Bultman; (3.) Robert W. Cook; (4.) Richard C. Looke; (5.) Charley D. Moses, Jr.; (6.) Gregory S. Rawlins; and (7.) Michael W. Rawlins
Execution Date(s) See 1 in Addendum
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: ParkerVision, Inc.
Internal Address: _____
Street Address: 8493 Baymeadows Way
City: Jacksonville
State: Florida
Country: U.S.A. Zip: 32256
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
(to be assigned)
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.
Internal Address: c/o
Street Address: 1100 New York Avenue, N.W.
City: Washington
State: D.C. Zip: 20005-3934
Phone Number: _____
Fax Number: _____
Email Address: _____

6. Total number of applications and patents involved: 1
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 1005
Expiration Date 08/2005
b. Deposit Account Number 19-0036
Authorized User Name _____

9. Signature: Jeffrey T. Helvey 12/20/04
Signature Date
Jeffrey T. Helvey, Reg. No. 44,757
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 54

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

12/23/2004 MBIZUNES 00000047 11015653

40.00 DP

05 FC:8021

PATENT
REEL: 016110 FRAME: 0125

Addendum

1. (1.) June 12, 2000; (2.) June 12, 2000; (3.) June 12, 2000; (4.) June 14, 2000; (5.) June 12, 2000; (6.) June 13, 2000; and (7.) June 12, 2000

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **1) David F. SORRELLS; 2) Michael J. BULTMAN; 3) Robert W. COOK; 4) Richard C. LOOKE; 5) Charley D. MOSES, JR.; 6) Gregory S. RAWLINS; and 7) Michael W. RAWLINS**, the undersigned inventor(s) hereby sell(s) and assign(s) to **ParkerVision, Inc., 8493 Baymeadows Way, Jacksonville, FL 32256** (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

(a) in the invention(s) known as **Method, System, and Apparatus for Balanced Frequency Up-Conversion of a Baseband Signal** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) ~~6-12-002) 6-12-063) 6-12-~~ 004) 6-14-005) 6-12-006) 6-13-00 and 7) 6-12-00 (also known as United States Application No. **09/525,615**, filed **March 14, 2000**, in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

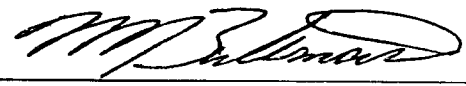
The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

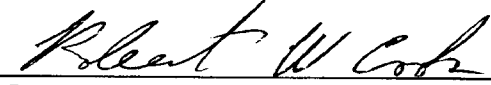
The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel


L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; Raz E. Fleshner, Esquire, Registration No. 34,331; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

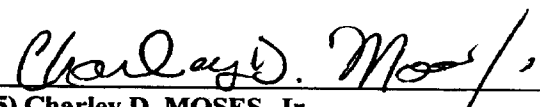
IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: X 06/12/00 Signature of Inventor: X 
1) David F. SORRELLS

Date: X 12 Jan 00 Signature of Inventor: X 
2) Michael J. BULTMAN

Date: X 6/12/00 Signature of Inventor: X 
3) Robert W. COOK

Date: X June 14, 2000 Signature of Inventor: X 
4) Richard C. LOOKE

Date: X June 12 2000 Signature of Inventor: X 
5) Charley D. MOSES, Jr.

Date: X Signature of Inventor: X
6) Gregory S. RAWLINS

Date: X Signature of Inventor: X
7) Michael W. RAWLINS

L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; Raz E. Fleshner, Esquire, Registration No. 34,331; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.


Date: X _____ Signature of Inventor: X _____
1) David F. SORRELLS

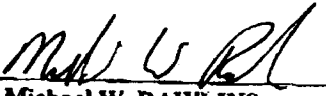
Date: X _____ Signature of Inventor: X _____
2) Michael J. BULTMAN

Date: X _____ Signature of Inventor: X _____
3) Robert W. COOK

Date: X _____ Signature of Inventor: X _____
4) Richard C. LOOKE

Date: X _____ Signature of Inventor: X _____
5) Charley D. MOSES, Jr.

Date: X 6/13/00 Signature of Inventor: X 
6) Gregory S. RAWLINS

Date: X 06/12/00 Signature of Inventor: X 
7) Michael W. RAWLINS