

05-01-2000

FORM PTO-1585 F
(Rev. 6-95)
OMB No. 3651-0011 (exp. 4/94)

HEET U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Atty. Docket No. 2867-057



To the Assistant Director for Patents: 101339372 Documents or copy thereof.

1. Name of conveying party(ies):
Eric J. King
MRD 4-17-00
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: RF Micro Devices, Inc.
Internal Address: 7625 Thorndike Road
Street Address: 7625 Thorndike Road
City: Greensboro State: NC Zip: 27409
Additional name(s) & address(es) attached? Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: April 13, 2000

4. Application number(s) or registration numbers(s):
If this document is being filed together with a new application, the execution date of the application is: April 13, 2000
A. Patent Application No.(s) **09/1550565**
B. Patent No.(s)
04/28/2000 PALLEM 00000007 09550565
40.00 GP
Additional numbers attached? Yes No

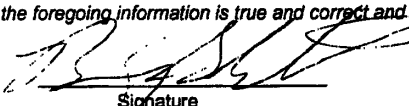
6. Total number of applications and patents involved:1

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Jack B. Hicks
RHODES & MASON, P.L.L.C
Internal Address: P.O. Box 2974
Greensboro, NC 27402
Street Address: 1600 First Union Tower
300 North Greene Street
Greensboro, NC 27401

7. Total fee (37 CFR 3.41): **\$40.00**
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
18-1164
(Attach duplicate of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document
Benjamin S. Withrow  April 17, 2000
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3
Mail documents to be recorded with required cover sheet information to:
Director of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

ASSIGNMENT made by **ERIC J. KING** ("Assignor") of 1126 Jefferson Road, Greensboro, North Carolina 27410 to **RF MICRO DEVICES, INC.**, ("Assignee") a corporation organized under the laws of the State of North Carolina and located and doing business at 7625 Thorndike Road, Greensboro, North Carolina 27409.

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, and in fulfillment of my pre-existing obligation of assignment, Assignor does hereby sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest in **CARRIER RECOVERY FOR SPREAD SPECTRUM COMMUNICATIONS** and the invention therein as set forth in the application for United States Letters Patent therefor, for which I am making or have made application for Letters Patent, and for which I have executed a declaration on the 3rd day of April, 2000, and in and to said application and any divisions or continuations thereof, and any Letters Patent, obtained for said invention in the United States and foreign countries, or issuing out of said application or any such division or continuation thereof, and any reissues, reexaminations or extensions of any such Letters Patent

Further, the Director of Patents is hereby authorized and requested to issue Letters Patent for said invention to Assignee, as owner of the entire right, title and interest therein.

Further, said Assignor hereby covenants that Assignor has full right to convey Assignor's entire right, title and interest in said invention, and that Assignor has not executed and will not execute any agreement in conflict herewith.

Further, Assignor covenants that Assignor will at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title in said Assignee, to said invention or any Letters Patent that may be granted therefor, and that if Assignee, or its assignee, desires to make a substitute, divisional or continuation application to said invention, or to secure a reissue, reexamination or extension of said Letters Patent, to file a disclaimer relating thereto or an application for a corresponding patent in any foreign country, that Assignor will, upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the said purposes.

Further, Assignor hereby acknowledges that Assignor's entire beneficial interest in the invention to which the above application relates is irrevocably vested in the Assignee including the right to make applications for protection in all countries abroad and to claim priority under the International Convention for such applications and hereby assents to the making of any such applications, with or without priority claim, and of any divisional application resulting therefrom.

Further, Assignor covenants that Assignor will at all times communicate to Assignee, its successors, assigns or legal representatives, all facts relating to said invention and Letters Patent, or the history thereof, known to them, and testify as to the same in interferences or other

PATENT
REEL: 010734 FRAME: 0446

litigation pertaining to the enforcement or validity of any and all patents relating to said invention when requested so to do.

Further, if this assignment is submitted for recordation at a time other than at the time of filing said patent application, Assignor hereby authorizes the above-mentioned assignee or the attorney of record to insert in this instrument the filing date and serial number of said application after the same shall have been identified by the United States Patent Office:

Serial No.: 1

Filing Date:

Signed and sealed this 13th day of April, 2000.



ERIC J. KING

STATE OF North Carolina

COUNTY OF Guilford

On this 13 day of April 2000, before me personally appeared Eric J. King to me known and known to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public

