

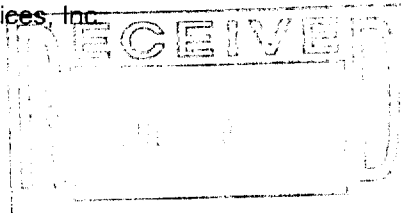
79.99

07-14-1999



101090441

To the Assistant Commissioner for Patents, documents or copy thereof.

<p>1. Name of conveying party(ies): Michael S. Benedict</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: RF Micro Devices, Inc. Internal Address: </p> <p>Street Address: 7625 Thorncliffe Road City: Greensboro State: NC Zip: 27409</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 6/15/99</p>	

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:


<p>A. Patent Application No.(s) 09/253,625</p>	<p>B. Patent No.(s)</p>
--	-------------------------

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name : RHODES &amp; MASON, P.L.L.C. Internal Address: P.O. Box 2974 Greensboro, NC 27402</p> <p>Street Address: 1600 First Union Tower 300 North Greene Street City: Greensboro State: NC Zip: 27401</p>	<p>6. Total number of applications and patents involved:.....1</p> <p>7. Total fee (37 CFR 3.41):.....\$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p>(Attach duplicate of this page if paying by deposit account)</p>
---	---

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.*

<p>Jack B. Hicks Name of Person Signing</p>	<p> Signature</p>	<p>7-7-99 Date</p>
---	---	------------------------

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

07/12/1999 NTHAI1 00000142 09253625  
01 FC:581 40.00 OP

## ASSIGNMENT

ASSIGNMENT made by **MICHAEL S. BENEDICT** ("Assignor") of 3403 Peninsula Drive, Jamestown, NC 27282, to **RF MICRO DEVICES, INC.**, ("Assignee") a corporation organized under the laws of the State of North Carolina and located and doing business at Greensboro, North Carolina.

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 a FREQUENCY SHIFT KEY MODULATOR 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 13<sup>th</sup> day of May, 1999, 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 Commissioner 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

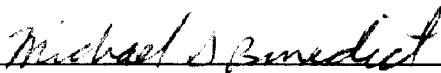
litigation pertaining to the enforcement or validity of any and all patents relating to said invention when requested so to do.

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.: 09/253,625

Filing Date: February 19, 1999

Signed and sealed this 15 day of June, 1999.

  
\_\_\_\_\_  
MICHAEL S. BENEDICT