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SHEET

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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copies.

1. Name of conveying party(ies):  
**RIZA AKTURAN**  
*10.3-03*  
Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
Name: **SIRIUS SATELLITE RADIO INC.**  
Address: **1221 Avenue of the Americas**  
**32nd Floor**  
City: **New York City** State/Prov.: **New York**  
Country: **United States** ZIP: **10020**  
Additional name(s) & address(es)  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **October 1, 2003**

4. Application number(s) or patent numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: **October 2, 2003**  
Patent Application No. Filing date B. Patent No.(s)  
**10/16/2003 8TON11 00000161 023823 10678463**  
**01 FC:8021 40.00 DA** Additional numbers  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: **Patrick F. Bright**  
Registration No. **24,318**  
Address: **BRIGHT & LORIG**  
**633 West Fifth Street**  
**Suite 3330**  
City: **Los Angeles** State/Prov.: **CA**  
Country: **United States** ZIP: **90071**

7. Total fee (37 CFR 3.41):.....\$ **40.00**  
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8. Deposit account number:  
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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.*  
**Patrick F. Bright** *Patrick F. Bright* **October 2, 2003**  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and **3**

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
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P.O. Box 1450, Alexandria, VA 22313-1450

**ASSIGNMENT**

WHEREAS, I, RIZA AKTURAN, residing at 134 Portside Drive, Edgewater, NJ 07020, have invented a new and useful invention entitled, MODULAR PATCH ANTENNA PROVIDING ANTENNA GAIN DIRECTION SELECTION CAPABILITY, and have disclosed the same in an application for Letters Patent of the United States therefor, said application having been executed by me as of the date set forth below; and

WHEREAS, SIRIUS SATELLITE RADIO INC., a Delaware corporation, having a place of business at 1221 Avenue of the Americas, 32<sup>nd</sup> Floor, New York, NY 10020, is desirous of acquiring the entire and exclusive right, title and interest in and to said invention, any and all Letters Patent which may be granted or issued therefor in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I by these presents, do hereby sell, assign, transfer and set over unto SIRIUS SATELLITE RADIO INC., its successors and assigns, the entire and exclusive right, title and interest in and to the said invention, patent application and Letters Patent which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held and enjoyed as fully and completely as the same might have been held by me

had this assignment not been made; and I hereby authorize and request the Commission of Patents and Trademarks of the United States and duly constituted authorities of foreign countries to issue all Letters Patent relating to the foregoing assigned rights to said SIRIUS SATELLITE RADIO INC., its successors and assigns.

IN WITNESS WHEREOF, I have executed this Assignment below.

Assignor

Date: 10/1/2003

*Riza Akturan*  
Riza Akturan

State of New York        )  
  ) ss.  
County of New York     )

On this 1 day of October, 2003, before me, appeared Riza Akturan known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal this day.

*Denise M. Flemm*

Notary Public

DENISE M. FLEMM  
Notary Public, State of New York  
No. 01FL5084199  
Qualified in New York County  
Commission Expires Sept. 2, 18 2005