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Steven W. Johnston

Execution Date
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Name (line 2)

Second Party

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Richard K. Arheniel

Execution Date
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Midwest Research Institute

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Domestic Representative Name and Address

Enter for the first Receiving Party only.

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Paul J. White

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PATENT
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Correspondent Name and AddressArea Code and Telephone Number **303/384-7575**Name **Paul J. White**Address (line 1) **Senior Patent Counsel**Address (line 2) **National Renewable Energy Laboratory**Address (line 3) **1617 Cole Boulevard**Address (line 4) **Golden, CO 80401****Pages**

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
June 22, 2000**Patent Cooperation Treaty (PCT)**

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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. Charges to deposit account are authorized, as indicated herein.

Paul J. White

Name of Person Signing

Signature

July 13, 2000

Date

ASSIGNMENT

WHEREAS, We, Steven W. Johnston of 967 Torrey Street, Golden, County of Jefferson, State of Colorado; and Richard K. Ahrenkiel of 11124 West Ohio Place, Lakewood, County of Jefferson, State of Colorado; having invented certain new and useful improvements in **Radio Frequency Coupling Apparatus and Method for Measuring Minority Carrier Lifetimes in Semiconductor Materials**, which we are about to make application for Letters Patent of the United States, said application being identified as NREL IR No. 00-20 and; executed concurrently herewith; and;

WHEREAS, we now own the entire right, title and interest therein; and


WHEREAS, Midwest Research Institute, of 425 Volker Blvd., Kansas City, Missouri 64110, a corporation fully organized and existing under the laws of the State of Missouri is desirous of acquiring the entire right, title, and interest therein and thereto;

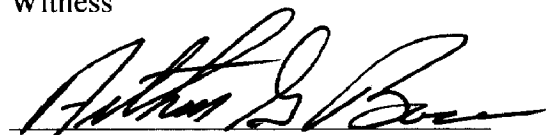
NOW THEREFORE, be it known that for good and other consideration to us in hand paid, the receipt of which is hereby acknowledged, we, the said Steven W. Johnston and Richard K. Ahrenkiel by these presents do sell, assign, and transfer unto the said Midwest Research Institute, its successors, legal representatives and assigns, our entire right, title, and interest in and to said invention and the aforesaid application, for the United States of America and for all foreign countries and to all Letters Patents, continuations and reissues, and extensions to be obtained therefor; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

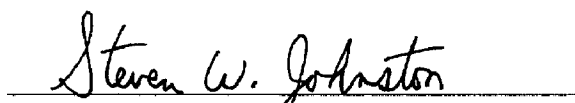
The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this assignment to Midwest Research Institute, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

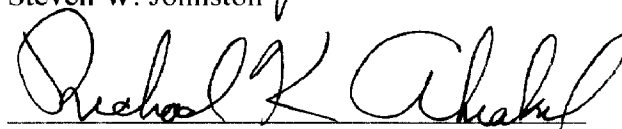
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth

hereinafter.


Witness


Witness


Steven W. Johnston


Richard K. Ahrenkiel

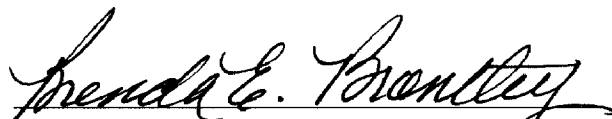
COUNTY OF JEFFERSON)
)
STATE OF COLORADO)

Before me, a Notary Public in and for the said County and State, personally appeared Steven W. Johnston and Richard K. Ahrenkiel known to me to be the persons whose names are subscribed to the foregoing, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 11th day of July 2000.

My commission expires: October 4, 2001.

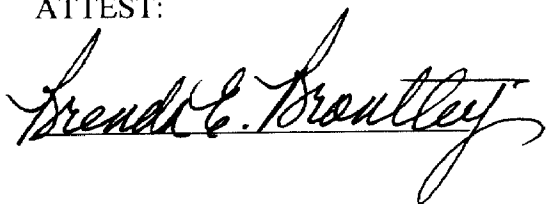
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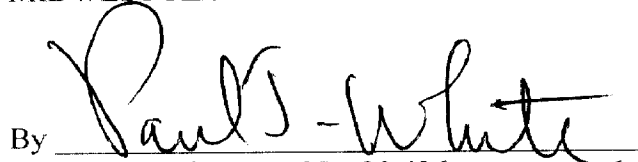
Brenda E. Brantley, Notary Public
State of Colorado
My Commission Expires 10/4/2001

Approved and consented to this 13th day of July 2000.

ATTEST:



MIDWEST RESEARCH INSTITUTE

By 
Paul J. White, Reg. No. 30,436
Its Senior Patent Counsel