

11-02-1999



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PATENT

REEL: 010341 FRAME: 0952

Correspondent Name and Address

Area Code and Telephone Number 312-357-1313

Name Alice O. Martin

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Address (line 3) 10 S. LaSalle Street

Address (line 4) Chicago, Illinois 60603

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/103,331

60/022,209

08/733,302

60/041,099

60/040,849

60/049,620

Patent Number(s)

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

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT IIS97/12497

PCT

PCT

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Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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10-0435

Authorization to charge additional fees:

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No

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

Alice O. Martin

Name of Person Signing

Signature

Date

WORLDWIDE ASSIGNMENT TO MRJ TRUST

WHEREAS, ARCH DEVELOPMENT CORPORATION ("ARCH"), a corporation organized and existing under the laws of the State of Illinois, having a place of business at 5640 S. Ellis, Suite 405, Chicago, Illinois 60637, United States, is the owner of an invention entitled ANTIMICROBIAL AGENTS, DIAGNOSTIC REAGENTS AND VACCINES BASED ON UNIQUE APICOMPLEXAN PARASITE COMPONENTS (the "Invention"), for a full description of which reference is made to the U.S. and PCT applications identified in "Patent Rights" as defined below; and

WHEREAS, ARCH Development Corporation desires to assign an undivided partial interest in the Invention and Patent Rights to the MRJ Trust, formed by agreement dated April 16, 1998, with mailing address % Mark Rust, Barnes & Thornburg, 200 West Madison, Suite 20610, Chicago, Illinois 60606 so that ARCH Development Corporation and the MRJ Trust are co-owners of the Invention and Patent Rights;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by ARCH from MRJ Trust is hereby acknowledged, ARCH, by these presents, does assign to MRJ Trust an agreed upon undivided partial right, title and interest in the Invention in Patent Rights, including the right to claim for any patent applications and Patent Rights all benefits and priority rights under any applicable convention, together with a corresponding undivided right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents in Patent Rights to the full end of the term or terms of all such patents.

"Patent Rights" for the purpose of this Assignment shall mean U.S. Patent Application Serial No. 09/103,331, filed June 23, 1998; U.S. Provisional Application Serial No. 60/022,209, filed July 19, 1996; U.S. Application Serial No. 08/733,302, filed December 23, 1996; U.S. Provisional Patent Application Serial No. 60 041,099, filed March 14, 1997; U.S. Provisional Application Serial No. 60/040,849, filed March 17, 1997; U.S. Provisional Application Serial No. 60/049,620, filed June 13, 1997; and PCT International Application No. PCT/US97/12497, filed July 18, 1997, and any patent application, U.S. or foreign, claiming priority to said applications.

ARCH and MRJ Trust agree that as co-owners of the Invention and Patent Rights they will cooperate fully in the prosecution of patent applications in Patent Rights; in the making and prosecution of other patent applications that ARCH or MRJ Trust may elect to make covering the Invention; in the vesting in MRJ Trust and ARCH like title and interest in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said Invention, or any such patent application or patent and that MRJ Trust and ARCH will execute and deliver any and all additional papers which may be necessary and appropriate to carry out the terms of this assignment.

IN TESTIMONY WHEREOF, ARCH has executed this assignment effective on the date of execution.

ARCH DEVELOPMENT CORPORATION

By: 

Title: Asst Sec

Date: 2/3/99

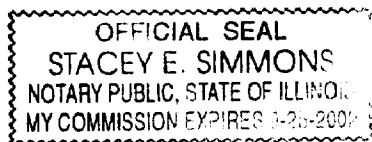
STATE OF ILLINOIS

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COUNTY OF

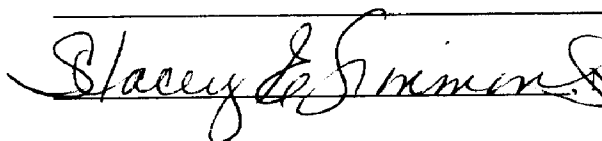
Before me, a Notary Public, in and for said County and State, personally appeared _____, and acknowledged the execution of the foregoing instrument, this 3 day of February, 1999.

Witness my hand and Notarial Seal this 3 day of February, 1999.



My Commission Expires:

9-25-2002

 Notary Public

County of Residence:

COOK

ACCEPTED:

MRJ TRUST

By: Emma L. Lutz M.D.

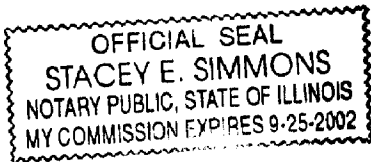
Title: Trustee

Date: 2-3-99

STATE OF ILLINOIS)
) SS:
COUNTY OF)

Before me, a Notary Public, in and for said County and State, personally appeared _____, and acknowledged the execution of the foregoing instrument, this 3 day of February, 1999.

Witness my hand and Notarial Seal this 3 day of February, 1999.



Stacey E. Simmons Notary Public

My Commission Expires:

9-25-2002

County of Residence:

COOK