

ASSIGNMENT

Serial No. PCT/US99/04716

Filed March 3, 1999

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in RESISTANCE IN PLANTS TO INFECTION BY ssDNA VIRUS USING INOVIRIDAE VIRUS ssDNA-BINDING PROTEIN, COMPOSITIONS AND METHODS OF USE and in the application for Letters Patent of the United States therefor, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to THE SCRIPPS RESEARCH INSTITUTE, A California Corporation, and the heirs, successors, legal representatives and assigns of THE SCRIPPS RESEARCH INSTITUTE (herein collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for said considerations it is further agreed by the undersigned, upon request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becomes involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, on such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment and sale had not been made. And for said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Malla Padidam (Seal)
Malla Padidam

State of Pennsylvania)
County of Montgomery) ss

On April 21, 1999 before me, Catherine B. Boccuti
Malla Padidam, personally appeared Malla Padidam

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Catherine B. Boccuti
Notary Seal
Catherine B. Boccuti, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Nov. 12, 2002
Notary Public
Commission Expires: Nov 12, 2002
Member, Pennsylvania Association of Notaries

LLA/C:\WP\ASSG\MAH0003.P.PAD

PATENT
REEL: 009991 FRAME: 0554

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Roger N. Beachy (Seal)
Roger N. Beachy

State of Missouri)
County of St. Louis) ss

On April 26, 1999 before me, Billie C. Broeker
Roger N. Beachy, personally appeared _____,

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Billie C. Broeker
Notary Public
My Commission Expires: _____
Notary Public - Notary Seal
State of Missouri
St. Louis County
Commission Expires Sep 18, 2002

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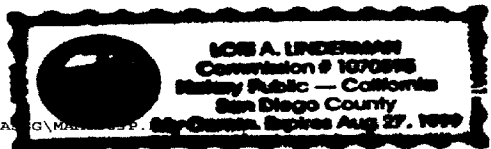
[Signature] (Seal)
Claude M. Fauquet

State of California)
County of San Diego) ss

On April 26, 1999 before me, Lori A. Linderman, Notary Public, personally appeared Claude M. Fauquet

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



[Signature]
Notary Public
My Commission Expires: 8/27/99