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(Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) PATENTS	Patent and Trademark Office B ONLY
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James Joseph Beck	Name: Novartis AG
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No No	
⊠ Assignment ☐ Merger	Street Address: Schwarzwaldallee 215
☐ Security Agreement ☐ Change of Name	
☐ Other	City; Basel State: Switzerland ZIP: 4058
Execution Date: March 31, 1998	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)
	5,827,695
Additional numbers atta	I ached? ☐ Yes ⊠ No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1
Name: Larry W. Stuits	7. Total fee (37 CFR 3.41) \$
Internal Address: <u>Novartis Agribusiness Biotechnology</u> Research Inc.	☐ Enclosed
Patent and Trademark Dept.	Authorized to be charged to deposit account and any other additional fees required.
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PATENT REEL: 011035 FRAME: 0956

U.S.A. PH/5-30109/P1/CGC1944

ASSIGNMENT

١,

James Joseph Beck

residing at

114 Ripley Court

Cary, North Carolina 27513,

for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Novartis AG**, a company organized under the laws of the Swiss Confederation, having a place of business at Schwarzwaldallee 215, Basel, Switzerland 4058, its successors, assigns and legal representatives, all my right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to me by local laws or by treaty, including any international convention for the protection of industrial property, in and for the United States and its territories and possessions in and to the invention entitled:

Detection of Wheat Fungal Pathogens Using the Polymerase Chain Reaction

invented by me and described in the application for United States Letters Patent

Application No. 08/905,314, filed 1 August, 1997.

including (1) said application for United States Letters Patent and all continuations and divisions thereof (including further continuations and divisions such as, but not limited to, continuations of continuations and divisions of continuations), (2) all United States Letters Patent which may be issued and/or granted on all such applications, (3) all applications for reissues and extensions of and reexamination certificates for all such United States Letters Patent and (4) all reissues and extensions and reexamination certificates issued for all such United States Letters Patent, the said interest being the entire ownership of said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates to be held and enjoyed by the said Novartis AG and its successors and assigns to the full end of the terms to which said United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by me if this sale, assignment and transfer had not been made;

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And I hereby agree to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of said applications for United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, United States Letters Patent (including reissue Letters Patent), extensions and reexamination certificates in said assignee.

Signed this 31st day of March , 1998 by