PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Johnathan A. Napier	11/28/2002
Olga Sayanova	11/28/2002

RECEIVING PARTY DATA

Name:	IACR-Rothamsted
Street Address:	
Internal Address:	
City:	Hertfordshire
State/Country:	UNITED KINGDOM
Postal Code:	AL5 2JQ

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12436183

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	12810-00851
NAME OF SUBMITTER:	Roberte M. D. Makowski, Ph.D.

Total Attachments: 2

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PATENT REEL: 022642 FRAME: 0665 JP \$40.00 1243618

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PATENT REEL: 022642 FRAME: 0666

Assignment of Application

0093000059

WHEREAS, I (WE)

Johnathan A. Napier, 40, The Nursery, Bedminster, Bristol BS3 3EB, United Kingdom, United Kingdom Citizen of United Kingdom

Olga Sayanova, Harpenden, Hertfordshire AL5 2JQ, United Kingdom Citizen of Russian Federation

respectively, have invented certain new and useful improvements in

DELTA 6-DESATURASES FROM PRIMULACEAE, EXPRESSING PLANTS AND PUFA-CONTAINING OILS

for which an application for Letters Patent was executed on

(Application No.

, filed

), and

WHEREAS, IACR-Rothamsted (hereinafter referred to as "ASSIGNEE"), having a place of business at Ilertfordshire AL5 2JQ, United Kingdom, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of Five Dollars (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

FURTHER, I (WE) agree that I (WE) will communicate to said ASSIGNEE, or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of MORRISON & FOERSTER LLP, 1650 TYSONS BOULEVARD, SUITE 300, McLEAN, VIRGINIA 22102-3915, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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0093000059

Date: 28/11/02

Signature of Inventor;

nathan . Napic

Date: 28/11/02

Signature of Inventor:

Olga Sayanova

US Assignment Form 03 10/2000

RECORDED: 05/06/2009

PATENT REEL: 022642 FRAME: 0668