08-18-1999

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uttorney Docket No. 018941-000200US

FORM PTO-1595	U.S. Department of Commerce	
(Rev. 6-93) 10111978	5 Patent and Trademark Office	
To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof 1. Name of conveying party(les): 2. Name and address of receiving party(les):		
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Wilhelm GRUISSEM and John JELESKO	Name: The Regents of the University of the alifornia	
Additional name(s) of conveying parties attached? Yes x No.	Internal Address:	
	Street Address: 1111 Franklin Street, 12th Floor	
3. Nature of conveyance:	City: Oakland State: California ZIP: 94697-5299	
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Security Agreement Change of Name	Additional names and addresses attached? Yes X No	
Other:		
Execution Date: June 29, 1999		
Application Number(s) or Patent Numbers.		
If this document is being filed together with a new application, the execution date of the application is:		
A. Patent Application No(s): 09/134,014	B. Patent No(s):	
Additional numbers attached?	☐ Yes X No	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved 1	
Name: Kevin L. Bastian	7. Total fee (37 CFR 3.41):\$40.00	
TOWNSEND AND TOWNSEND AND CREW LLP	V5 1 1 50 5 15 15	
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Kevin L. Bastian	<u> </u>	
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OMB No. 0651-0011 (exp. 4/94)		
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Form PTO-1595 Recordation Form Cover Sheet Patents Only Page 2

 Additional name(s) of conveying party(ies): (Continued from Page 1)

Masaki FURUYA

Additional name(s) and address(es) of receiving party(ies): (Continued from Page 1)

Hitachi, Ltd. Hatoyoma, Saitama, 350-0395, Japan

- Additional application number(s) or patent number(s): (Continued from Page 1)
 - A. Patent Application No.(s)

B. Patent No.(s)

SF 150911 v1 SF 1018581 v1

> PATENT REEL: 010162 FRAME: 0472

ASSIGNMENT

U.C. Case No. B98-052

Fo	good and valuable consideration, the rece	eipt of which is hereby acknowledged, ASSIGNOR(S),	
1.	Wilhelm Gruissem	2. John Jelesko	
3.		4	
Co 94 int	rporation, having its statewide administ 607-5200, and the successors, assigns	SIGNEE, The Regents of the University of California, a California rative offices located 1111 Franklin St., 12 th Floor, Oakland, CA and legal representatives of the ASSIGNEE all of its right, title and prial possessions and in all foreign countries in and to, any and all ention entitled:	
<u>HC</u>	MOLOGOUS RECOMBINATION IN PLANT	<u>s</u>	
an	d which is found in		
(a)	U.S. provisional application file	ed herewith and listing the above-named persons as inventors	
(b)	U.S. provisional application file	ed herewith and listing the above-named persons as inventors	
(c)	(c) X U.S. application serial no. 09/134,014 , filed on August 14, 1998		
(d)	U.S. Patent No.:, issue	d	
Pa pa	tent to be obtained for said invention by rt, extension, conversion to 35 USC 111(country, including the right to claim priority and, in and to, all Letters the above application or any continuation, division, continuation-ina) or substitute thereof, and any reissue, reexamination or extension International Conventions for the Protection of Industrial Property;	
	SIGNOR(S) hereby covenants that no assentered into which would conflict with this	ignment, sale, agreement or encumbrance has been or will be made s assignment;	
fac ac the ins an pu	cts and documents relating to said invention cessible to ASSIGNOR and will testify as ereto and will promptly execute and de truments or affidavits required to apply for said Letters Patent and said equivaler reposes thereof. An attorney of record is a	GNEE will, upon its request, be provided promptly with all pertinent in and said Letters Patent and legal equivalents as may be known and is to the same in any interference, litigation, or proceeding relating liver to ASSIGNEE or its legal representative any and all papers, or, obtain, maintain, issue or enforce said application, said invention its thereof which may be necessary or desirable to carry out the uthorized and requested by the execution of this assignment to insert number of said application when officially known.	
		ssioner of Patents and Trademarks to issue said Letters Patent of the nereof to the ASSIGNEE, The Regents of the University of California.	
ex	ecuted this	Signature of Inventor(s)	
<u>2</u>	9 day of June , 1999 day of June , 1999	1. John Jolesho	
2	9 day of JUNE 1999	2. Many	
	_ day of, 19		
_	day of, 19		

SF 150574 v1 SF 1006028 v1

ASSIGNMENT

U.C. Case No. B98-052			
For good and valuable consideration, the receipt of which	is hereby acknowledged, ASSIGNOR(S),		
1. Masaki Furuya	2		
3.	4.		
hereby sells, assigns and transfers to ASSIGNEE, Hitachi, Ltd. a Japanese Corporation, having its administrative offices located at Hatoyoma, Saitama, 350-0395 Japan, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:			
<u>DETECTION OF HOMOLOGOUS RECOMBINATION EV</u> <u>GENE FUSION</u>	ENTS BY ACTIVATION OF A CHIMERIC REPORTER		
and which is found in			
(a) U.S. provisional application filed herewith a	and listing the above-named persons as inventors		
(b) U.S. provisional application filed herewith and listing the above-named persons as inventors			
(c) <u>X</u> U.S. application serial no. <u>09/134,014</u> , filed on <u>August 14, 1998</u>			
(d), issued,			
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;			
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.			
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of United States and any reissue or extension thereof to the	Patents and Trademarks to issue said Letters Patent of the ASSIGNEE, The Regents of the University of California.		
executed this Sig	nature of Inventor(s)		
11 day of <u>June</u> , 1999	Masaki Tumpa		
day of, 19	*		
day of, 19			

SF 215836 v1

PATENT REEL: 010162 FRAME: 0474

___ day of _____, 19__