9. Signature.

Name: Astrid R. Spain

Reg. No. 47,956

Person Signing

Obrid & Sain

01/02/2003 Date

Total number of pages including cover sheet, attachments, and documents: 3

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documents to be recorded with required cover sheet information to:

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ASSIGNMENT

This Assignment is made by William W. Cruikshank of Westford, Massachusetts, Assignor, to TRUSTEES OF BOSTON UNIVERSITY, Assignee, having a place of business at 147 Bay State Road, Boston, Massachusetts 02215.

WHEREAS, Assignor is a joint inventor of a new and useful DIAGNOSIS AND THERAPY OF ANTIBODY-MEDIATED INFLAMMATORY AUTOIMMUNE DISORDERS, for which an application for United States Letters Patent was filed on January 3, 2002, in the United States Patent and Trademark Office, bearing Serial No. 10/038,509 and identified as Attorney Docket No. P-HR 5214;;

WHEREAS, Assignor believes that Assignor is one of the original joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entirety of assignor's right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to Assignee, the entirety of assignor's right, title, and interest in and to said invention, said application, any applications entitled to benefit of priority to said application under Title 35, United States Code, Sections 120, 121 or 251, which include divisionals, continuations and reissues, and any Letters Patent that may be granted on said invention or these applications and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for

PATENT REEL: 013638 FRAME: 0161 Inventors:

Smith and Cruikshank

Serial No.:

10/038,509

Filed:

January 3, 2002

Page 2

perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests that any United States or foreign Letters Patent granted for said invention, whether on said application or on any subsequently filed divisional, continuation or reissue application, be issued to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date(s) provided below.

Assignor: William W. Cruikshank

Signature

Date

STATE OF MASSACHUSETIS
COUNTY OF SUFFOLIC

on AUGUST 28 2002, before me, JANINE B. ANDERSON personally appeared WILLIAM W. CRUKSHANK

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 by hand and official seal.

(Signature of Notary)

JANINE B. ANDERSON Notary Public Commonwealth of Massachusetts My Commission Expires May 5, 2006

PATENT REEL: 013638 FRAME: 0162



COPY A

NOVEMBER 26, 2002

PTAS

CAMPBELL & FLORES LLP CATHRYN CAMPBELL 4370 LA JOLLA VILLAGE DR. 7TH FLOOR SAN DIEGO, CA 92122 Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/03/2002

REEL/FRAME: 013265/0754

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CRUIKSHANK, WILLIAM W.

DOC DATE: 08/28/2002

ASSIGNEE:

BOSTON, TRUSTEES OF UNIVERSITY 147 BAY STATE STATE ROAD BOSTON, MASSACHUSETTS 02215

SERIAL NUMBER: 10038509

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FILING DATE: 01/03/2002

ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RECORDED: 01/02/2003

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