PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
Colorado State University	09/12/2002

RECEIVING PARTY DATA

Name:	National Science Foundation
Street Address:	4201 Wilson Blvd
Internal Address:	Room 1265
City:	Arlington
State/Country:	VIRGINIA
Postal Code:	22230

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10197731

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Robin Clay Fritsch

Total Attachments: 2
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September 12, 2002

Teresa Hamm-Wooten
Patent Assistant
National Science Foundation (NSF)
4201 Wilson Boulevard, Suite 1265
Arlington, VA 22230

RE: Our reference: 01-037
       Invention Title: "Robust Learning Control for Multi Input Multi Output (MIMO) Systems"
       Invention Reporting Ref.: CMS-9804757
       U.S. Patent Application No.: 10/197,731
       Filed: 07/18/2002
       Lead Inventor: Douglas C Hittle
       Date disclosed: 04/11/2001

Dear Ms Hamm-Wooten:

Pursuant to the above-referenced funding agreement, this letter shall serve to inform you Colorado State University has elected title to the above-referenced invention.

Enclosed please find a fully-executed copy of a confirmatory license. Also enclosed is a copy of the above-referenced Background of the Invention section the patent application, containing a notice of the Government's rights in this invention.

If you have any questions regarding this matter, please contact me directly.

Sincerely,

Arundeep S. Pradhan
Director of Technology Transfer

Enclosure

AP/dk

01-037

LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, Douglas C. Hittle et al. of Colorado State University have invented "Control Sytem and Technique Employing Reinforcement Learning have Stability and Learning Phases" and filed a patent application thereon in the USA bearing Serial No.10/197,731, filing date July 18, 2002; and

WHEREAS, the invention was made in the course of research supported by the National Science Foundation grant number CMS-9804757; and
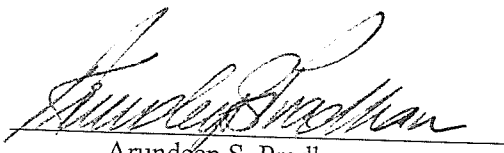
WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of such support; and

WHEREAS, the Colorado State University Research Foundation, hereinafter called the "Licensor", has acquired by assignment from the inventor the entire right, title and interest of the inventor to such invention;

NOW, THEREFORE

1. The Licensor, in consideration of the premises and other good and valuable consideration, hereby grants and conveys to the United States Government a royalty-free, non-exclusive and irrevocable license for governmental purposes and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States under the aforesaid patent application, and any and all divisions or continuations, and in any and all patents or reissues which may be granted thereon during the full term or terms thereof. As used herein, "governmental purpose" means the right of the Government of the United States, including any agency thereof, to practice and have practiced (made or have made, used or have used, sold or have sold) in connection with programs funded in whole or in part by the Federal Government throughout the world by or on behalf of the Government of the United States.

2. The Licensor covenants and warrants that he has the right to grant the foregoing license, and that any assignment which he may make of the invention or said patent applications or patents thereon, shall expressly be made subject to this license.

3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of, or title to any patent or patent application herein licensed.

Colorado State University Research
Foundation

Arundeep S. Pradhan
Director of Technology Transfer

September 12, 2002