SUBSTITUTE R 1009802	
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
UNIVERSITY OF OREGON. 2-4-99	Name: UNITED STATES AIR FORCE
Additional name(s) of conveying party(ies) attached? Yes X No	Internal Address: AFRL/IFOJ
3. Nature of conveyance:	Street Address: 26 ELECTRONIC PARKWAY
Assignment Security Agreement Generation Security Agreement Generatory License Security Agreement Security A	City: ROME
	State: NEW YORK Zip: 13441-4514
Execution Date(s): 20 JANUARY 1999	
This instrument should be recorded on the governmen- tal register in accordance with 37 CFR 7.1(e)(1).	Additional name(s) & address(es) attached?
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):
	D. 1 40.(3).
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Additional numbers attaction of party to whom correspondence	hed? □ Yes 図 No 6. Total number of applications and patents involved:
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Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed:	
Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN	6. Total number of applications and patents involved: 1
Additional numbers attacted 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN Internal Address: AFRL/IFOJ	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ Enclosed IN Not applicable The instrument to be recorded is not an instrument
Additional numbers attacted 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN Internal Address: AFRL/IFOJ Street Address: 26 ELECTRONIC PARKWAY	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ D Enclosed Not applicable
Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN Internal Address: AFRL/IFOJ Street Address: 26 ELECTRONIC PARKWAY City: ROME	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ D Enclosed I Not applicable The instrument to be recorded is not an instrument affecting title (37 CFR 7.1(e)(2) and (j)).
Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN Internal Address: AFRL/IFOJ Street Address: 26 ELECTRONIC PARKWAY City: ROME	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 2 Enclosed IS Not applicable The instrument to be recorded is not an instrument affecting title (37 CFR 7.1(e)(2) and (j)). 8. Deposit account number:
Additional numbers attacted S. Name and address of party to whom correspondence concerning document should be mailed: Name: HAROLD L. BURSTYN Internal Address: AFRL/IFOJ Street Address: 26 ELECTRONIC PARKWAY City: ROME State: NEW YORK ZIP:	 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$
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REEL: 9801 FRAME: 0683

LICENSE TO THE UNITED STATES GOVERNMENT

Government Agency:	DEPARTMENT OF THE AIR FORCE
Invention Title:	"Heuristic Optimization System and Method Using
	a Hybrid Global/Local Approach"
Inventor(s):	David Clements, et al
Patent or Application Serial No.:	09/183,026
U.S. Filing:	October 31, 1997
Grant/Contract Identification Number:	F3602-95-1-0023

The invention identified above is a Subject Invention under 35 U.S.C. 200 et seq., and the standard Patent Rights Clause at 37 CFR 401.14 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the above-identified United States government agency.

- 1. The nonexclusive, nontransferable, irrevocable, paid-up license granted to the Federal Government in the invention described in the patent application in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon; and
- 2. All other rights acquired by the Government by reason of the above-identified grant/contract award and the laws and regulations which are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 20^{4} day of 30^{4} , 1999. UNIVERSITY OF OREGON

lodd T. Sheren

By: Todd T. Sherer Director Office of Technology Transfer

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RECORDED: 02/04/1999