FORM PTO-1619A Expires 06/30/99

06-21-1999



101071702

DECODDATION FORM COVED SHEE

NPO 20211 U.S. Department of Comm Parent and Tredeman Office

PATENTS ONLY				
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(jes).				
Submission Type Conveyance Type				
New Assignment Security Agreement				
Resubmission (Non-Recordation) Document ID# License Change of Name				
Correction of PTO Error Reel #				
rective Document (For Use ONLY by U.S. Government Agencies) el # Departmental File Secret File				
Conveying Party(ies) Mark If additional names of conveying parties attached Execution Date				
Name (line 1) California Institute of Technology 04/1/99				
Name (line 2) Second Party Execution Date Month Day Year				
Name (line 1)				
Name (line 2)				
Receiving Party Mark if additional names of receiving parties attached				
Name (line 1) National Aeronautics and Space Administration If document to be recorded is an assignment and the receiving party is not				
Name (line 2) domiciled in the United States, an appointment of a domestic				
Address (line 1) 300 "E" Street, SW., Code GP representative is attached. (Designation must be a separate document from				
Address (line 2) Assignment.)				
Address (line 3) Washington DC 20546 City State/Country Zip Code				
Domestic Representative Name and Address Enter for the first Receiving Party only.				
Name				
Address (line 1)				
Address (line 2)				
Address (line 3)				
Address (line 4)				
FOR OFFICE USE ONLY				
272				

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) Information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, DEATENT

	NPO 20211			
FORM PTC Expires 06/30/99 OMB 0651-0027	9-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspondent Name and Address Area Code and Telephone Number				
Name	Kathy Bayer			
Address (line 1)	National Aeronautics	and Space Admin		
Address (line 2)	300 "E" Street, SW.,	Code GP		
Address (line 3)	Washington, DC 20546			
Address (line 4)				
Pages Enter the total number of pages of the attached conveyance document including any attachments.				
Application	Number(s) or Patent Numb	er(s)	ark if additional numbers attached	
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).				
· · · · · · · · · · · · · · · · · · ·	ent Application Number(s)		atent Number(s)	
60052399	09115318			
			Month Bry Year	
If this document is being filed together with a <u>new</u> Patent Application, enter the date the patent application was <u>Month Day Year</u> signed by the first named executing inventor.				
Patent Cooperation Treaty (PCT)				
Enter PCT application number				
_	not been assigned.	PCT PCT	PCT	
Number of Properties Enter the total number of properties involved. # 1				
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 0				
Method of Payment: Enclosed Deposit Account Deposit Account				
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: #				
	Aut	horization to charge additional fee	s: Yes No	
Statement and Signature				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as				
	ed herein. athy Bayer	of When Days	06/11/99	
	of Person Signing	Signature	Date	

PATENT REEL: 010029 FRAME: 0148



In accordance with a contract set forth below between the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration (NASA) and the below-named Contractor, the invention cited below is a SUBJECT INVENTION made in the performance of work under the contract, and
the Contractor has elected to retain title to the SUBJECT INVENTION; or I the Contractor has elected not to retain title to the SUBJECT INVENTION; and NASA, after consultation with the Contractor, has granted the request for retention of rights by the Inventor, and employee of the Contractor, subject to the provisions of 35 U.S.C. § 202(d) and FAR 52.227-11, Patent Rights Retention by the Contractor, but subject to a license to the Government, as described below.

NOW THEREFORE, pursuant to the terms and conditions of the contract, the Contractor/Inventor does hereby grant to the Government of the United States a non-exclusive, non-transferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States this SUBJECT INVENTION and any patents which may issue thereon throughout the world. At this time at least the following U.S. patent application has been filed on the SUBJECT INVENTION.

Title: METHOD OF YIELD ENHANCEMENT OF SENSORS VIA CIRCUIT TECHNIQUES

Contractor: California Institute of Technology

Patent Application Serial No.: 60/052,399

Filed: 7/14/97

Patent No.: Issue Date:

Contract No. NAS7-1260°

Contractor Case No.: CIT 2658 NASA Case No.: NPO20211

Inventor(s): Orly Yadid-Pecht, Barmuk Mansoorian, Bedabrata Pain

The Contractor/Inventor agrees to include, within the specification of any United States patent applications and any patents issuing thereon covering this SUBJECT INVENTION, the following statement as in FAR 52.227-11(f)(4):

"This invention was made with Government support under contract NAS7-1260 _ awarded by NASA. The Government has certain rights in this invention."

The Contractor/Inventor further agrees to notify the NASA of any decision not to continue prosecution of the application(s), pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration period required by the U.S. Patent and Trademark Office.

Title to this Invention is subject to the March-In-Rights by the NASA as stated in 35 U.S.C. § 203 and FAR 52.227-11(j).

The Contractor/Inventor shall furnish a copy of the patent application cited above and a listing of each country in which applications have been and are filed. Whenever a patent issues on the SUBJECT INVENTION, the patent number, the issue date, and the country_shall be made known to the Government as soon as it is available to the Contractor/Inventor.

Adam Cochran The Intellectual Property Counsel

(Typed name and title of Corporate Officer)

(Signature and date)

REEL: 010029 FRAME: 0149

NASA FORM 1604 AUG 89 PREVIOUS EDITION IS OBSOLETE.



In accordance with a contract set forth below between the Government of the United States of America, as represented by the Administrator of the National Aeronautics and Space Administration (NASA) and the below-named Contractor, the invention cited below is a SUBJECT INVENTION made in the performance of work under the contract, and the Contractor has elected to retain title to the SUBJECT INVENTION; or the Contractor has elected not to retain title to the SUBJECT INVENTION; and NASA, after consultation with the Contractor, has granted the request for retention of rights by the Inventor, and employee of the Contractor, subject to the provisions of 35 U.S.C. § 202(d) and FAR 52.227-11, Patent Rights-Retention by the Contractor, but subject to a license to the Government, as described below.

NOW THEREFORE, pursuant to the terms and conditions of the contract, the Contractor/Inventor does hereby grant to the Government of the United States a non-exclusive, non-transferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States this SUBJECT INVENTION and any patents which may issue thereon throughout the world. At this time at least the following U.S. patent application has been filed on the SUBJECT INVENTION.

Title: Improved Circuitry for Determining Median of Image Portions

Contractor: California Institute of Technology

Patent Application Serial No.: 09/115,318

Filed: 7/14/98

Patent No.: Issue Date:

Contract No.NAS7-1260°

Contractor Case No.: CIT 2658

NASA Case No.: NPO20211

Inventor(s): Orly Yadid-Pecht, Barmuk Mansoorian, Bedabrata Pain

The Contractor/Inventor agrees to include, within the specification of any United States patent applications and any patents issuing thereon covering this SUBJECT INVENTION, the following statement as in FAR 52.227-11(f)(4):

"This invention was made with Government support under contract NAS7-1260 awarded by NASA. The Government has certain rights in this invention."

The Contractor/Inventor further agrees to notify the NASA of any decision not to continue prosecution of the application(s), pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration period required by the U.S. Patent and Trademark Office.

Title to this Invention is subject to the March-In-Rights by the NASA as stated in 35 U.S.C. § 203 and FAR 52.227-11(j).

The Contractor/Inventor shall furnish a copy of the patent application cited above and a listing of each country in which applications have been and are filed. Whenever a patent issues on the SUBJECT INVENTION, the patent number, the issue date, and the country shall be made known to the Government as soon as it is available to the Contractor/Inventor.

Adam Cochran
The Intellectual Property Counsel

NASA FORM 1604 AUG 89 PREVIOUS EDITION IS OBSOLETE

(Typed name and title of Corporate Officer)

(Signature and date)

APR - 1 1999

272

PATENT REEL: 010029 FRAME: 0150

RECORDED: 06/17/1999