

FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

09-11-2001



101840006

U.S. Department of Commerce

Patent and Trademark Office
PATENT 2

RECORDATION FORM COVER SHEET				
PATENTS ONLY				
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).				
Submission Type	Conveyance Type			
X New // 0/ 6/0/	X Assignment Security Agreement			
Resubmission (Non-Recordation) Document ID#	License Change of Name			
Correction of PTO Error Reel # Frame #	Merger Other U.S. Government			
Corrective Document Reel # Frame #	(For Use ONLY by U.S. Government Agencies) Departmental File Secret File			
Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date			
Name (line 1) W. Daniel	Month Day Year			
Name (line 2) Hillis	Execution Date			
Second Party	Month Day Year			
Name (line 1) Bran	8/15/01			
Name (line 2) Ferren				
Receiving Party Mark if additional names of receiving parties attached				
Name (line 1) Applied Minds, Inc.	Applied Minds, Inc. If document to be recorded is an assignment and the receiving party is not domiciled in the United			
Name (line 2)	States, an appointment of a domestic representative is attached.			
Address (line 1) 1209 Grand Central Avenue	1) 1209 Grand Central Avenue (Designation must be a separate document from Assignment.)			
Address (line 2)				
Address (line 3) Glendale	Ca 91201 Zip Code			
Domestic Representative Name and Address Enter for the first Receiving Party only.				
Name				
Address (line 1)				
Address (line 2) Address (line 2)	7010			
Address (line 3) 04 F&: 581 40.00				
Address (line 4)				
FOR OFFICE USE ONLY				

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, D.C. 20231

08/31/2001 GGERREA1 00000013 071445 09941426 40.00 CH

> **PATENT REEL: 012137 FRAME: 0691**

FORM PTO Expires 06/30/99 OMB 0651-0027	9-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspond	ent Name and Address	Area Code and Telephone Number 650-4	74-8400
Name	Michael A. Glenn		
Address (line 1)	3475 Edison Way, Suite L		
Address (line 2)	Menlo Park, CA 94025		
Address (line 3)			
Address (line 4)			
Pages	Enter the total number of pa including any attachments.	ges of the attached conveyance document	# [1
• •	Number(s) or Patent Nun	nber(s) Mark if addition	onal numbers attached
Patent Coop Ente	s being filed together with a new Pate of named executing inventor. Deration Treaty (PCT) Per PCT application number of a U.S. Application Number not been assigned.	PCT PCT PCT PCT	Month Day Year PCT PCT
Number of F		tal number of properties involved. # 1	
Deposit (Enter for	of Payment: Encl t Account r payment by deposit account or if add	osed Deposit Account X	-1445 s X No
Statement a	and Signature be best of my knowledge and be hed copy is a true copy of the	pelief, the foregoing information is true and original document. Charges to deposit acc	correct and any count are authorized, as

Signature

indicated herein.

Michael A. Glenn

Name of Person Signing

PATENT REEL: 012137 FRAME: 0692

8/28/2001

Date

ASSIGNMENT

WHEREAS, We, W. Daniel Hillis and Bran Ferren hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHOD FOR LOCATING AND IDENTIFYING UNDERGROUND STRUCTURES WITH HORIZONTAL BOREHOLE TO SURFACE TOMOGRAPHY

WHEREAS, <u>Applied Minds, Inc.</u>, having its principal place of business at 1209 Grand Central Avenue, Glendale, California 91201, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNORS has sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title, and interest in and to said invention, said application for United States Letters Patent and any Letters Patent which may be hereafter granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or part, substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, for all time.

ASSIGNORS further agrees that he will, without charge to said ASSIGNEE, but at ASSIGNEE'S _expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE_ may lawfully request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS has hereunto s	igned their names to the assignment on
the date indicated below.	B//5/01
W. Danie Hillis	6/15/0/ Date
Brain Ferren	
On this 17th day of AWGUST, in the year of 200 public, personally appeared the above-named ASSIGNOR basis of satisfactory evidence) to be the person who instrument, and acknowledged that he executed the same STATE OF AWFORNIA) ss.	ose name is subscribed to the within

ALICE P. HARGROVE
Comm. # 1299455
NOTARY PUBLIC - CALIFORNIA
Los Angeles County
My Comm. Expires April 2, 2005

RECORDED: 08/28/2001

PATENT REEL: 012137 FRAME: 0693