### 506515122 02/20/2021

### **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6561897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HICHEM EL EUCH	08/22/2020
MOHAMED ABDEL LATIF ABDEL AAL ZEIDAN	08/22/2020
ABDELHALEEM MOHAMED AHMED ABDELATY	02/07/2021
MAHMOUD MOHAMED AHMED ABDEL-ATY	08/22/2020
ASHRAF KHALIL	09/19/2020

#### **RECEIVING PARTY DATA**

Name:	ABU DHABI UNIVERSITY
Street Address:	ABU DHABI - EL AIN ROAD
Internal Address:	OFFICE OF RESEARCH AND SPONSORED PROGRAMS
City:	ABU DHABI
State/Country:	UNITED ARAB EMIRATES

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17002782

### **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: AQBASIT@BASITLAW.COM

Correspondent Name: ABDUL BASIT
Address Line 1: 1300 | STREET, NW

Address Line 2: SUITE 400E

Address Line 4: WASHINGTON, D.C. 20005

ABDUL BASIT	
SIGNATURE: /Abdul Basit/	
DATE SIGNED:	02/20/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 6** 

source=202000ADU-8\_AssignmentDeclaration#page1.tif

PATENT REEL: 055346 FRAME: 0106

506515122

source=202000ADU-8\_AssignmentDeclaration#page2.tif
source=Assignment\_Declaration\_2020000ADU\_8\_Khalil#page1.tif
source=Assignment\_Declaration\_2020000ADU\_8\_Khalil#page2.tif
source=Assignment\_Declaration\_AD\_University\_Update\_17002782#page1.tif
source=Assignment\_Declaration\_AD\_University\_Update\_17002782#page2.tif

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R 1.76) AND ASSIGNMENT

Title of Invention: QUANTUM RANDOM ACCESS MEMORY

As the below named inventor, I hereby declare that:

This declaration  $\underline{\mathbf{X}}$  is directed to the filed application.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, Abu Dhabi University. (hereinafter referred to as "ASSIGNEE"), having place of business in Abu Dhabi, United Arab Emirates, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patents that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and, for other good and valuable consideration, I, by these presents do sell, assign, and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title, and interest in and to any and all Letters Patents which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment an sale not been made.

Further, I agree that I communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, it successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) year, or both.

(1) Legal Name of Inventor: HICHEM EL EUCH

111

Signature: Date: 22/08/2020	Signature:	Hart	Date:	22/08/2020	
-----------------------------	------------	------	-------	------------	--

(2)	Legal Name of Inventor: MOHAMED ABDEL LATIF AB	DEL AAL ZEIDAN
	Signature: No Para Maria Zalaw :	Date:22/08/2020
(3)	Legal Name of Inventor: ABDULHALEEM MOHAMED	AHMED ABDELATY
	Signature:	_Date:22/08/2020
(4)	Legal Name of Inventor: MAHMOUD MOHAMED AHM	ED ABDEL-ATY
	Signature:	Date: 22/08/2020

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLCIATION USING AN APPLICATION DATA SHEET (37 C.F.R 1.76) AND ASSIGNMENT

Title of Invention: QUANTUM RANDOM ACCESS MEMORY

As the below named inventor, I hereby declare that:

This declaration  $\underline{\mathbf{X}}$  is directed to the filed application.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, Abu Dhabi University. (hereinafter referred to as "ASSIGNEE"), having place of business in Abu Dhabi, United Arab Emirates, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patents that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and, for other good and valuable consideration, I, by these presents do sell, assign, and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title, and interest in and to any and all Letters Patents which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment an sale not been made.

Further, I agree that I communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, it successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) year, or both.

(1) Legal Name of Inventor: HICHEM EL EUCH

Signature:	Date:

(2)	) Legal Name of Inventor: MOHAMED ABDEL LATIF ABDEL AAL ZEIDAN		
	Signature:	Date:	
(3)	Legal Name of Inventor: ABDULHALEEM MOHA	AMED AHMED ABDELATY	
	Signature:	Date:	
(4)	MAHMOUD MOHAMED AHMED ABDEL-ATY	7	
	Signature:	Date:	
(5)	ASHRAF KHALIL		
	Signaure:Ashr	_Date:19/9/20	

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLCIATION USING AN APPLICATION DATA SHEET (37 C.F.R 1.76) AND ASSIGNMENT

Title of Invention: QUANTUM RANDOM ACCESS MEMORY

As the below named inventor, I hereby declare that:

This declaration  $\underline{\mathbf{X}}$  is directed to the filed application.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, Abu Dhabi University. (hereinafter referred to as "ASSIGNEE"), having place of business in Abu Dhabi, United Arab Emirates, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patents that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and, for other good and valuable consideration, I, by these presents do sell, assign, and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title, and interest in and to any and all Letters Patents which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment an sale not been made.

Further, I agree that I communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, it successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) year, or both.

(1) Legal Name of Inventor: HICHEM EL EUCH

Signature:	Date:	

(2) Legal Name of Inventor: MOHAMED ABDEL LATIF ABDEL AAL ZEIDAN		
Signature:	Date:	
(3) Legal Name of Inventor: ABDELHALEEN	M MOHAMED AHMED ABDELATY	
Signature: 3/2 2 021	Date:7/2/2021	
(4) MAHMOUD MOHAMED AHMED ABD	EL-ATY	
Signature:	Date:	

RECORDED: 02/20/2021