## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5580092

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
WILLIAM JOSEPH ARMSTRONG	05/02/2005
MICHAEL HOWARD HARTUNG	04/29/2005
YU-CHENG HSU	05/04/2005
GLENN ROWAN WIGHTWICK	04/29/2005

### **RECEIVING PARTY DATA**

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

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

Property Type	Number
Application Number:	16445084

## **CORRESPONDENCE DATA**

Fax Number: (310)556-7984

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.

Phone: 3105567983

Email: pmdrop@ipmatters.com

KONRAD RAYNES DAVDA & VICTOR LLP **Correspondent Name:** 

350 S. BEVERLY DRIVE, SUITE 360 Address Line 1: Address Line 4: **BEVERLY HILLS, CALIFORNIA 90212** 

ATTORNEY DOCKET NUMBER:	TUC920040206US03 22.106C2
NAME OF SUBMITTER:	PATRICIA MCLAUGHLIN
SIGNATURE:	/Patricia McLaughlin/
DATE SIGNED:	06/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 6** 

source=TUC920040206US03 (22.106C2) Assign\_061919#page1.tif

**PATENT** REEL: 049523 FRAME: 0015

505533295

source=TUC920040206US03 (22.106C2) Assign\_061919#page2.tif source=TUC920040206US03 (22.106C2) Assign\_061919#page3.tif source=TUC920040206US03 (22.106C2) Assign\_061919#page4.tif source=TUC920040206US03 (22.106C2) Assign\_061919#page5.tif source=TUC920040206US03 (22.106C2) Assign\_061919#page6.tif

UM 60 5860 11.10 FK 10.	
DECLARATION AND POWER OF A DOCKET NO: TUC920040206US1	TTORNEY FOR PATENT APPLICATION
As a below named inventor, I hereby decl	are that:
My residence, post office address and citi	zenship are as stated below next to my name;
I believe I am the original, first and sole in names are listed below) of the subject mat	eventor (if only one name is listed below) or an original, first and joint inventor (if plural ter which is claimed and for which a patent is sought on the invention entitled
CLUSTER AVAILABILITY MANAGEM the specification of which (check one)	
$\underline{X}$ is attached hereto. $\underline{X}$ was filed on $\underline{2019-06-18}$ as Application Serial No. $\underline{16/445,084}$	
and was amended on	(if applicable).
I hereby state that I have reviewed and und by any amendment referred to above.	erstand the contents of the above identified specification, including the claims, as amended
I acknowledge the duty to disclose informa Section 1.56.	tion which is material to patentability as defined in Title 37, Code of Federal Regulations,
country other than the United States, listed	er Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign cate, or Section 365(a) of any PCT International application which designated at least one below and have also identified below any foreign application for patent or inventor's having a filing date before that of the application on which priority is claimed:
Prior Foreign Application(s)	Priority Claimed
	YesNo
(Number) (Country) (D	ay/Month/Year Filed)
application is not disclosed in the prior Unit Title 35, United States Code, Section 112, I	nited States Code, Section 120 of any United States application(s) or Section 365(c) of any the United States, listed below and, insofar as the subject matter of each of the claims of this ed States or PCT International application in the manner provided by the first paragraph of acknowledge the duty to disclose information which is material to patentability as defined action 1.56, which occurred between the filing date of the prior application and the national cation:
None	
(Application Serial No.) (Filing Date)	(Status) (patented, pending, abandoned)
I hereby claim the benefit under Title 35. Unbelow:	ited States Code, Section 119(e) of any United States provisional application(s), listed

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Status) (patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

Page I of 3 Firm No. 0022.0106

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION DOCKET NO: TUC920040206US1

PC	N	ER.	OF	ATT	ORNEY

I hereby appoint the following practitioners associated with the Customer Number:

### 46917

as my/our attorneys and/or agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

## CORRESPONDENCE ADDRESS

Please recognize the correspondence address for the above-identified application as the address associated with the above mentioned Customer Number provided for the Power of Attorney.

ľ	U.	LL	N.	Αľ	ИL	QI	L	V	E	I	<b>OR</b>	0	NE:	V	Villiam	Jose	ph	A	rmst	ro	ng	2
							~_	. ,				•		٠,	,	m Gae	u.		Imol		щ,	

INVENTORS SIGNATURE: William Joseph Amster

DATE:

5-2-2005

RESIDENCE: 5106 Nicklaus Drive N.W., Rochester, Minnesota 55901

CITIZENSHIP: United States

POST OFFICE ADDRESS: same as residence

FULL NAME OF INVENTOR TWO: Michael Howard Hartung

INVENTORS SIGNATURE:

DATE:

RESIDENCE: 8040 E. Alteza Vista, Tucson, Arizona 85750-2848

CITIZENSHIP: United States

POST OFFICE ADDRESS: same as residence

FULL NAME OF INVENTOR THREE: Yu-Cheng Hsu

INVENTORS SIGNATURE:

DATE:

RESIDENCE: 2460 N. Ailcen Avenue, Tucson, Arizona 85715

CITIZENSHIP: U.S.A.

POST OFFICE ADDRESS: same as residence

Page 2 of 3 Firm No. 0022.0106

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION **DOCKET NO:** TUC920040206US1

FULL NAME OF INVENTOR FOUR: Glenn Rowan Wightwick						
INVENTORS SIGNATURE:	DATE:	T 14/4414				
RESIDENCE: 6770 North Mamaronick Drive, Tucso	on, Arizona 85718					
CITIZENSHIP: AU						
POST OFFICE ADDRESS: same as residence						

Page 3 of 3 Firm No. 0022.0106

62 5662 IV-10 LK IBM-14F-10C20N

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Page 1 of 3 Firm No. 0022.0106

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION DOCKET NO: TUC920040206US1

PO'	WER	OF	ATT	<b>ORNEY</b>

I hereby appoint the following practitioners associated with the Customer Number:

### 46917

as my/our attorneys and/or agents to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

## CORRESPONDENCE ADDRESS

Please recognize the correspondence address for the above-identified application as the address associated with the above mentioned Customer Number provided for the Power of Attorney.

FULL NAME OF INVENTOR ONE: William Joseph Armstrong								
INVENTORS SIGNATURE: DATE:								
RESIDENCE: 5106 Nicklaus Drive N.W., Rochester,	Minnesota 55901							
CITIZENSHIP: United States								
POST OFFICE ADDRESS: same as residence								
Marking and a second a second and a second and a second and a second and a second a		The state of the s						

FULL NAME OF INVENTOR TWO: Michael Howard Hartung	
INVENTORS SIGNATURE: Michael Howard Harling	4/29/2005
RESIDENCE: 8040 E. Alteza Vista, Tucson, Arizona 85750-2848	
CITIZENSHIP: United States	
POST OFFICE ADDRESS: <u>same as residence</u>	

FULL NAME OF INVENTOR THREE: Yu-Cheng Hsu	•		
INVENTORS SIGNATURE:	DATE:	5/04/2005	
RESIDENCE: 2460 N. Aileen Avenue, Tucson, Arizona 85715			
CITIZENSHIP: U.S.A.		The state of the s	
POST OFFICE ADDRESS: same as residence			

Page 2 of 3 Firm No. 0022,0106

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION DOCKET NO: TUC920040206US1

FULL NAME OF INVENTOR FOUR: Glenn Rowan Wightwick
INVENTORS SIGNATURE: Low Will DATE: April 29, 2005

RESIDENCE: 6770 North Mamaronick Drive, Tucson, Arizona 85718

CITIZENSHIP: AU

POST OFFICE ADDRESS: same as residence

Page 3 of 3 Firm No. 0022.0106

PATENT REEL: 049523 FRAME: 0022

**RECORDED: 06/19/2019**