# 503129375 01/09/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3175984

SUBMISSION TYPE:		NEW ASSIG	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNME	ASSIGNMENT			
CONVEYING PARTY	DATA					
		Name			Execution Date	
MATTHEW STEPHEN	I DOYLE				12/08/2004	
RECEIVING PARTY D	ΟΑΤΑ					
Name:	Interna	International Business Machines Corporation				
Street Address:	New O	New Orchard Road				
City:	Armon	Armonk				
State/Country:	NEW Y	NEW YORK				
Postal Code:	10504					
		NI I I	mhor			
Property Type		Number				
	e		mber			
Property Type Patent Number:	e	7360188	mber			
			mber			
Patent Number:	DATA		mber			
Patent Number:	DATA	7360188 (507)253-2382 • <b>the e-mail addre</b> s	ss first; if that is u			
Patent Number: CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> I; if that is unsucc 507-253-4661	ss first; if that is u ressful, it will be s			
Patent Number: CORRESPONDENCE Fax Number: <i>Correspondence will using a fax number, i</i> Phone: Email:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o	ss first; if that is u ressful, it will be s			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO	ss first; if that is u cessful, it will be s com DN			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52	ss first; if that is u ressful, it will be s com DN 2 NORTH			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52 JAMES R. NOCK,	ss first; if that is u cessful, it will be s com DN 2 NORTH DEPT. 917			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52	ss first; if that is u cessful, it will be s com DN 2 NORTH DEPT. 917			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2:	DATA be sent to if provideo	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52 JAMES R. NOCK,	ss first; if that is u essful, it will be s com 2 NORTH DEPT. 917 NNESOTA 55901			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to if provideo e: NUMBER:	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52 JAMES R. NOCK, ROCHESTER, MIN	ss first; if that is u essful, it will be s com 2 NORTH DEPT. 917 NNESOTA 55901 182US2			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	DATA be sent to if provideo e: NUMBER:	7360188 (507)253-2382 <b>5 the e-mail addres</b> <b>1; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52 JAMES R. NOCK, ROCHESTER, MIN ROC920040	ss first; if that is u com 2 NORTH DEPT. 917 NESOTA 55901 182US2			
Patent Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, I Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER	DATA be sent to if provideo e: NUMBER:	7360188 (507)253-2382 <b>o the e-mail addres</b> <b>i; if that is unsucc</b> 507-253-4661 dapeters@us.ibm.o IBM CORPORATIO 3605 HIGHWAY 52 JAMES R. NOCK, ROCHESTER, MIN ROC920040 JAMES R. N	ss first; if that is u com 2 NORTH DEPT. 917 NESOTA 55901 182US2			

## **ASSIGNMENT**

Whereas, I

#### (1) **Matthew Stephen Doyle** County of Olmsted

City of Rochester, and State of Minnesota,

have invented certain improvements in

### METHOD AND APPARATUS FOR CHARACTERISTIC IMPEDANCE DISCONTINUITY REDUCTION IN HIGH-SPEED FLEXIBLE CIRCUIT APPLICATIONS

and have executed, respectively, a United States patent application therefor on

Dates Inventors Signed Declaration (1) Dec.08 , 2004

And whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

#### Signed

Inventor (1)

tu. Minnesota

α

Inventor Signature

(Matthew Stephen Doyle) First Name Initial Last Name