

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GRAHAM A. BENT	02/05/2016
PATRICK DANTRESSANGLE	02/05/2016
PAUL D. STONE	02/05/2016
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Property Type	Number
Application Number:	16691937
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SIGNATURE:	/Julie A. Jacobson/
DATE SIGNED:	11/22/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	
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ASSIGNMENT

Whereas, I, a below named and undersigned inventor, have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **OPTIMISING DATA TRANSMISSION IN A HYPERCUBE NETWORK**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application No.: 14/237,403 (insert series code /serial number here if required)

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

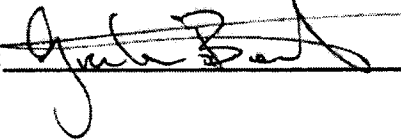
Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

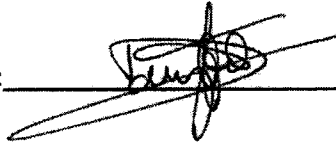
[Inventor Signature Page(s) Follows]

IBM Assignment for an IBM U.S. utility patent application having a U.S. filing date BEFORE September 16, 2012

(1) Name of Inventor: **GRAHAM A. BENT**

Signature:  Date: 5/2/2014
FEBRUARY

(2) Name of Inventor: **PATRICK DANTRESSANGLE**

Signature:  Date: 5/2/2014
FEBRUARY

(3) Name of Inventor: **PAUL D. STONE**

Signature: Paul Stone Date: 5/2/2014
(5TH FEBRUARY)

IBM Assignment for an IBM U.S. utility patent application having a U.S. filing date BEFORE September 16, 2012

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

Title of Invention: **OPTIMISING DATA TRANSMISSION IN A HYPERCUBE NETWORK**

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

☐ United States application or PCT international application number _____
filed on _____, as amended on _____ (if applicable).

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

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

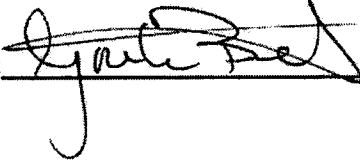
I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made in this declaration of my own knowledge are true, 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 are punishable under 18 U.S.C. Section 1001 by fine or imprisonment of not more than five (5) years, or both, and may jeopardize the validity of the application or any patent issued thereon.

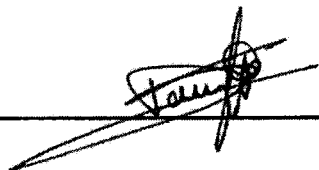
[Inventor Signature Page(s) Follows]

(1) Name of Inventor: GRAHAM A. BENT

Signature:  Date: 5/2/2014
FEBRUARY

Citizenship: UK

(2) Name of Inventor: PATRICK DANTRESSANGLE

Signature:  Date: 5th Feb 2014

Citizenship: FR

(3) Name of Inventor: PAUL D. STONE

Signature: Paul Stone Date: 5th FEB 2014

Citizenship: UK

IBM Declaration for an IBM U.S. utility patent application having a U.S. filing date BEFORE September 16, 2012