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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN HODGSON	11/30/2004
JASON SOTRIS POLYCHRONOPOULOS	11/30/2004
CHRISTOPHER JONES	11/30/2004
ZAKWAN SHAAR	11/30/2004
MUHAMMED MUTAHER KAMAL HASHMI	11/30/2004
LEE THEOBALD	11/30/2004
WILFRED BARRY HUGHES	11/30/2004

RECEIVING PARTY DATA

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City:	CARRINGTON, MANCHESTER
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13330618

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NAME OF SUBMITTER:	ANN HICKEY
SIGNATURE:	/ANN HICKEY/
DATE SIGNED:	08/02/2019

505602719 REEL: 049938 FRAME: 0591

Total Attachments: 3

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PATENT REEL: 049938 FRAME: 0592 Attorney's Docket No. 007017-0311971 Client Reference: MK/MAM/P89484PUS

For: U.S. Application

By: Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEES to ASSIGNORS of the sum of Ten Dollars (\$10.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

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hereby sell, assign and transfer to

ASSIGNEES:

SPIRATECH LIMITED
Carrington Business Park
Carrington, Manchester M31 4ZU
United Kingdom

and the successors, assigns and legal representatives of the ASSIGNEES the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

MODELLING AND SIMULATION AND METHOD

and which is found in (37 C.F.R. § 3.21) U.S. application no. 10/943,462 filed on September 17, 2004 and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEES will, upon their request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEES or their legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 30th Narmbur 2004

Signature of STEVEN HODGSON

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Date: 30th November 2001	Signature of JASON SOTIRIS POLYCHRONOPOULOS
Date: Bh No selv 2004	Signature of CHRISTOPHER JONES
Date: 30 November 200K	Signature of ZAKWAN SHAAR
Date: 30th November 2006	M M Kami Hohn: Signature of MUHAMMED MUTAHER KAMAL HASHMI
Date: 30th November 2004	Merbell Signature of LEN THEOBALD
Date: 30 Mouly 2004	Signature of WILFRED BARRY HUGHES
Witness:	Peter Hartley 41 Ashover St. Shretford Marchet M320HG
	Pete Hartley 30 m Nombr 2004

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