

11-6-07

11-09-2007

Commissioner of Patents & Trademarks

Washington, D.C. 20231

Form PTO-1595

F



U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)

U.S. PATENT AND TRADEMARK OFFICE

103460192

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of Conveying Party(ies):

Noel McCULLAGH

Michael SCOTT

Neil COSTIGAN



2. Name and Address of Receiving Party(ies):

Name: DUBLIN CITY UNIVERSITY

Street Address: Glasnevin

Street Address:

City: Dublin

State/Country: Ireland

Postal Code: 9

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) and addresses attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment

☐ Change of Name

☐ Security Agreement

☐ Other:

☐ Merger

Execution Date: 052307; 052207 and 052207

4. Application Number(s) or Patent Number(s):

☐ Assignment is being filed together with new application and the first execution date of application is :

☒ Application has been filed already and the application filing date is: 05112007

A. Patent Application Number(s):

B. Issued Patent Number(s):

11/667,555

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this matter should be mailed:

CUSTOMER NUMBER 00136 -or-

JACOBSON HOLMAN PLLC

400 Seventh Street, N.W.

Washington, D.C. 20004-2218

Tel. 202-638-6666

Attorney Docket Number: P70239US1

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00

☒ Enclosed

☒ Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

DO NOT USE THIS SPACE

8. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John C. Holman

22,769

November 6, 2007

Name of Person Signing, Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and documents:

4

UNITED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventors (1) MCCULLAGH, NOEL
 (2) SCOTT, MICHAEL
 (3) COSTIGAN, NEIL
 (4) _____ and
 (5) _____

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(6) Insert Name of Assignee (6) DUBLIN CITY UNIVERSITY
 (7) Insert Address of Assignee (7) of Glasnevin, Dublin 9, Ireland
 (8) Insert Legal Entity and State or Country (8) a an agency established by the Universities Act 1997 of Ireland
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (9) Identity Based Encryption

(10) Insert Date of signing of Application, or filing date and Serial No., if known (10) for which the undersigned has (have) executed an application for patent in the United States of Said application having been executed/ filed on _____ (and assigned) Serial No. _____

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.

6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C.

20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

CDD/MM/YY

Date	<u>23/05/07</u>	Name of Inventor	<u>MCCULLAGH, NOEL</u>	<u>N. McCullagh</u>	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	<u>SCOTT, MICHAEL</u>	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	<u>COSTIGAN, NEIL</u>	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ Additional Inventor's names and signatures on a separate sheet.

Witness

Witness

LAW OFFICES OF
JACOBSON HOLMAN
 PROFESSIONAL LIMITED LIABILITY COMPANY
 THE JENIFER BUILDING
 400 SEVENTH STREET, N.W.
 WASHINGTON, D.C. 20004
 JH 5/01 (Copying without deletions permitted)

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Date	_____	Name of Inventor	<u>MCCULLAGH, NOEL</u>	(SEAL)
			typed name	signature
Date	<u>22/5/2007</u>	Name of Inventor	<u>SCOTT, MICHAEL</u>	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	<u>COSTIGAN, NEIL</u>	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____	Name of Inventor <u>MCCULLAGH, NOEL</u>	_____ (SEAL)
	typed name	signature
Date _____	Name of Inventor <u>SCOTT, MICHAEL</u>	_____ (SEAL)
	typed name	signature
Date <u>22 MAY 2007</u>	Name of Inventor <u>COSTIGAN, NEIL</u>	_____ (SEAL)
	typed name	signature
Date _____	Name of Inventor _____	_____ (SEAL)
	typed name	signature
Date _____	Name of Inventor _____	_____ (SEAL)
	typed name	signature

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Witness

Witness

Viktor Mattsson (VIKTORIA MATTESSON)
Anna Johanna Mattsson Anna Katarina Mattsson

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PATENT

RECORDED: 11/06/2007

REEL: 020108 FRAME: 0893