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CONVEYING PARTY(IES): (Last name first)

Timothy Cameron RALPH

Execution Date
February 4, 2004

RECEIVING PARTY:

Name: The University of Queensland
Address: Cumbrae-Stewart Building, Research Road,
City: Queensland
State: Australia
Zip Code: 4072

Mark if additional names of conveying parties attached ☐

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APPLICATION NUMBER(S) OR PATENT NUMBER(S)

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Patent Application Number(s):

PCT/AU02/01115

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CORRESPONDENT NAME AND ADDRESS:

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FEE AMOUNT:

Total Fee (37 CFR 3.41) \$40.00

☐ Enclosed
☒ Charge to Deposit Account 23-0785
☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account 23-0785.

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. Charges to deposit account are authorized, as herein indicated.

Allen J. Hoover

Name of Person Signing

Signature

February 17, 2004

Date

Assignment

Serial No.: PCT/AU02/01115Filed: August 20, 2002

In Consideration of One Dollar and other good and valuable considerations, the receipt of which is hereby acknowledged, the entire right, title and interest in the invention or improvements of the undersigned in **Quantum Optical CNOT Gate**, and in the application for Letters Patent of the United States therefor, executed by the undersigned concurrently herewith, and in any reissue or extension of any Letters Patent that may be granted upon said application are hereby assigned by the undersigned to **The University of Queensland** an **Australian** corporation, having offices at **Cumbræ-Stewart Building, Research Road, Queensland, 4072, Australia**, and the successors, legal representatives and assigns of **The University of Queensland** (hereinafter collectively called said Assignee), and the Commissioner of Patents and Trademarks is hereby authorized and requested by the undersigned to issue said Letters Patent to said Assignee.

For said considerations it is hereby agreed by the undersigned, upon the request of said Assignee, to execute any necessary and proper oaths or affidavits relating to said application or required for the filing or prosecution of any divisional or continuing application thereof or for the filing or prosecution of any application for the reissue or extension of any Letters Patent that may be granted on said invention or improvements that said Assignee may deem necessary or expedient, and for the said considerations it is further agreed by the undersigned, upon the request of said Assignee, in the event of said application or any division thereof, or Letters Patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said Assignee in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, and further to perform, upon such request, any and all affirmative acts to obtain said Letters Patent and vest all rights therein hereby conveyed in the said Assignee as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made. And for the said considerations the entire right, title and interest in said invention or improvements, including all priority rights, and the right to claim priority rights and the privileges and benefits thereof, including those under the International Convention, and all other Conventions, and the right to file applications for patent in said Assignee's own name for said invention or improvements in each and every country of the world are hereby assigned and granted by the undersigned to said Assignee. It is further agreed by the undersigned, upon the request of said Assignee, to execute any and all documents that shall be required of the undersigned to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said Assignee. The undersigned also further agrees, for the said considerations, upon the request of said Assignee, to promptly perform all lawful acts deemed by said Assignee to be necessary or advisable in connection with maintaining, enforcing, or transferring the resulting grants of said Letters Patent in the United States or foreign countries. It is agreed that such lawful acts include, but are not limited to, taking oaths, executing declarations, powers, assignments and other papers and giving testimony.

Serial No.: PCT/AU02/01115Filed: August 20, 2002

The attorneys of record in such application for patent are hereby authorized and requested by the undersigned to insert in this Assignment the date and serial number thereof in the places provided therefor.

Timothy Cameron RALPHExecuted this 9th day of February, 2004.