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Tab settings ⇒ ⇒ ▼	
To the Honorable Commissioner of Pa	e attached original documents or copy thereof.
1. Name of conveying party(ies): 10105	
James Austin PIPER; Robert John CARMEN O	Name: Macquarie Research Ltd.
Michael John WITHFORD	5
Daniel John William BROWN JUN 3	1999 Internal Address: Ground Floor, Building W3A
Additional name(s) of conveying party(ies) attached?	Macquarie University
3. Nature of conveyance:	WARM OT
☐ Merger	Street Address: Balaclava Road, North Ryde, New
	South Wales 2109 AUSTRALIA
Other	City: State: ZIP:
Execution Date: April 19, 1999	Additional name(s) & address(es) attached?
If this document is being filed together with a new application No.(s) 09/125,209 Additional number	B. Patent No.(s)
Additional number	s attached? Tes A 140
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: William A. Blake	7. Total fee (37 CFR 3.41) \$\(\frac{40}{2}\)
Internal Address:	X Enclosed
	Authorized to be charged to deposit account
	— Authorized to be originated to deposit decodrit
Street Address: <u>Jones, Tullar & Cooper, P.C.</u> P.O. Box 2266 Eads Station	8. Deposit account number:
City Arlington State: VA ZIP: 22202	(Attach duplicate copy of this page if paying by deposit account)
	NOT USE THIS SPACE
the original document. William A. Blake Name of Person Signing	Signature Into cover sheet, attachments, and document:

06/04/1999 DNGUYEN 00000246 09125209

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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT

REEL: 009995 FRAME: 0282

PATENT

For: 🗌 U.S. and/or 🔲 Fe	orelgn Rights
For: 🗹 U.S. Application	or 🗌 U.S. Patent
By: Multiple Inventors	☐ PCT Application

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, a New Zealand citizen of 32 Greenhaven Drive, ASSIGNORS (inventors): Pennant Hills, New South Wales 2120 AUSTRALIA James Austin PIPER (Type or print name of inventors) Address Nationality a British citizen of School of Mathematics, Physic Computing and Electronics, Macquarie University, North Ryde, New South Wales 2109, AUSTRALIA Robert John CARMAN an Australian citizen of Lot 6 Lane Cove Road, Ingleside, New South Wales 2101, AUSTRALIA Michael John WITHFORD an Australian citizen of 750C Pennant Hills Road, Carlingford, New South Wales 2113 AUSTRALIA Daniel John William BROWN

(Assignment of Invention-Multiple Inventors [16-3.2]-page 1 of 3)

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PATENT REEL: 009995 FRAME: 0283

hereb	y se	ells, assigns and transfers to
ASSI		
Macqua	rie	Research Ltd, an Australian company ACN 003 849 198, of Ground Floor, Building W3
1-27	,	Address
<u> </u>	Macq	uarie University, Balaclava Road, North Ryde, New South Wales 2109, AUSTRALIA
Nation	lainty	
and th	he s	successors, assigns and legal representatives of the ASSIGNEE
		(complete one of the following)
	V	the entire right, title and interest
		an undivided percent (%) interest
for the	e Ur	nited States and its territorial possessions
		(check the following box, if foreign rights are also to be assigned)
		and in all foreign countries, including all rights to claim priority
ın and	to to	any and all improvements which are disclosed in the invention entitled:
		, and a market of the time and a discission in the invention entitled.
		(check and complete (a), (b), (c), (d), (e), (f), or (g))
and w	hict	n is found in
(a)		U.S. patent application executed on even date herewith
(b)		U.S. patent application executed on
(c)		U.S. provisional application naming the above inventor(s) for the above-entitled
		invention
		Express mail label no.:
		Mailed:
		☐ To comply with 37 CFR 3.21 for recordal of this
		assignment, I, an ASSIGNOR signing below,
		hereby authorize and request my attorney to insert below the filing date and application num-
		ber when they become known.
(d)		U.S. application no. 09/125,209 filed on 1 December 1998
(e)		International application no. PCT ///
		filed on
(f)		U.S. patent no issued
		A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
		(check (g), if foreign application(s) is also being assigned)
(g)		and any legal equivalent thereof in a foreign country, including the right to claim priority
		(Assignment of Invention—Multiple Inventors [16-3.2]—page 2 of 3)

PATENT REEL: 009995 FRAME: 0284 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

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its 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 ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its 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.

IN WITNESS WHEREOF, We have hereunto set hand and sea! this 19th April 19th (Date of signing).

WARNING: Date of signing must be the same as the date of execution of the explication if item (a) was checked above.

James Austin PIPER
(Type name of Inventor)

Robert John CARMAN

Michael John WITHFORD

Daniel John William BROWN

Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

(Assignment of Invention-Multiple Inventors [16-3.2]-page 3 of 3)

PATENT REEL: 009995 FRAME: 0285