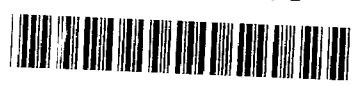


FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

02-22-2005

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Name (line 2)	COLIN LESLIE		
Second Party		Execution Date Month Day Year	12/09/2004
Name (line 1)	PARRY		
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Name of Person Signing



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15 Feb 2005

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Execution Date
Month Day Year

Name (line 1) SHEPHERD

01/12/2005

Name (line 2) CHRISTOPHER R.

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

Grid of 15 boxes for Patent Application Number(s)

Grid of 15 boxes for Patent Number(s)

JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, COLIN LESLIE PERRY, a citizen of the United Kingdom, residing at 33 Rochford Close, Grange Park, Swindon, Wiltshire, SN5 6AB, United Kingdom; STEPHEN JOHN PARRY, a citizen of the United Kingdom, residing at 37 Omdurman Street, Swindon, Wiltshire, SN2 1HA, United Kingdom; ALESSANDRO F. DEIDDA, a citizen of the United Kingdom, residing at 23 Headlands Grove, Swindon, Wiltshire, SN2 7HS, United Kingdom; and CHRISTOPHER R. SHEPHERD, a citizen of the United Kingdom, residing at 22 Tyburn Close, Grange Park, Swindon, Wiltshire, SN5 6BY, United Kingdom, as assignors, have made an invention entitled "A NETWORK" as described in a patent application for U.S. Letters Patent, bearing U.S. Serial No. 10/989,896, which was filed in the U.S. Patent and Trademark Office on November 16, 2004; and

WHEREAS, ZARLINK SEMICONDUCTOR LIMITED, Cheney Manor, Swindon, Wiltshire, SN2 2QW, United Kingdom, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all

Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

Colin Perry

COLIN LESLIE PERRY

Date:

9/Dec/2004

S.J. Parry

STEPHEN JOHN PARRY

Date:

9/Dec/2004

ALESSANDRO F. DEIDDA

Date:

CHRISTOPHER R. SHEPHERD

Date: