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FORM PTO-1595 (modified)
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OMB No. 0651-0011 (exp. 4/94)



100956427

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and

original documents or copy thereof.

1. Name of conveying party(ies):
Anthony Paul CASANO (November 23, 1998) and David Steven EDRICH (December 16, 1998)
Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):
Name: Phoenix Technologies Ltd
Internal Address:
Street Address: 411 East Plumeria Drive

3. Nature of conveyance:
 Assignment
 Security Agreement
 Other
 Merger
 Change of Name
Execution Date: same as above

City: San Jose, State: California ZIP: 95134
Additional name(s) & address(es) attached? No

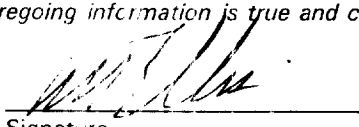
4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:
A. Patent Application No.(s)
09/164,347
Additional numbers attached? No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: William T. Ellis
Internal Address: FOLEY & LARDNER
Street Address: 3000 K Street, N.W., Suite 500
City: Washington, State: D.C. ZIP: 20007-5109
02/01/1999 AMDHANNE 00000075 09164347
05 FC:581 40.00 DP

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. § 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number: 19-0741
(Attach duplicate copy of this page if paying by deposit account)

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9. 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.
William T. Ellis Name of Person Signing
 Signature
January 25, 1999 Date

Total number of pages including cover sheet, attachments, and document: 2

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

PATENT
REEL: 9729 FRAME: 0866

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Phoenix Technologies Ltd
411 East Plumeria Drive
San Jose, California 95134

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

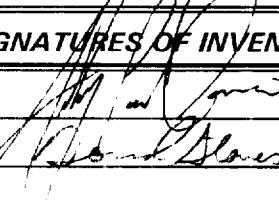
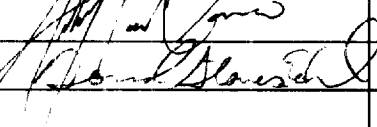
**APPARATUS AND METHOD FOR EMULATING AN I/O INSTRUCTION FOR THE CORRECT PROCESSOR
AND FOR SERVICING SOFTWARE SMI's IN A MULTI-PROCESSOR ENVIRONMENT**

as set forth in this United States Patent Application

executed concurrently herewith
 executed on _____
XX Serial No. 09/164,347 filed October 1, 1998

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

The undersigned hereby grant the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: Anthony Paul CASANO	Signature: 	Date: 11/23/98
Name: David Steven EDRICH	Signature: 	Date: 12/16/98
Name:	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name:	Signature:	Date:
Name:	Signature:	Date:

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.