Form PTO-1395 (Rev. 03/05) OMB N020651-0027 (exp. d RECORDA.

09-16-2005

TMENT OF COMMERCE Patent and Trademark Office

Name: Last Ess Technology, Inc. Internal Address: Internal A	PA1 EN 13 103083112		
(1) Jaifu Luo (2) Rajagopal Sundararaman (3) Mehmet Aii Tan Additional name(s) of conveying party(ies) attached?	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
(2) Rajagopal Sundararaman (3) Mehmet Ali Tan Additional name(s) of conveyince/Execution Date(s): Execution Date(s) _02 September 2005 Assignment	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
(3) Mehmet Ali Tan Additional name(s) of conveyance/Execution Date(s): Execution Date(s):	(1) Jaifu Luo	Name: ESS Technology, Inc.	
Street Address: 48401 Fremont Boulevard		Internal Address:	
Security Agreement		Street Address: 48401 Fremont Boulevard	
State: California State: California		City: Fremont	
Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached?		ony. <u>I tomorn</u>	
Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached?		State: <u>California</u>	
Additional name(s) & address(es) attached? Yes No 4. Application or patent number(s): A. Application No.(s) U.S. Application No. 11/155,296 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Haynes Beffel & Wolfeld LLP Internal Address: Street Address: P.O. Box 366 City: Half Moon Bay State: California Phone Number: (650) 712-0340 Fax Number: (650) 712-0340 Fax Number: (650) 712-0263 Email Address: 9. Signature: Additional name(s) & address(es) attached? Yes No Additional name(s) & address(es) attached? No B. Patent No.(s) 6. Total number of applications and patents involved: One (1) 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9. September: 2005 Date Total number of pages including cover: 4 Total number of pages including cover: 4 Name of Person Signing		Country: United States Zip:94538	
4. Application or patent number(s): A. Patent Application No.(s) U.S. Application No. 11/155,296 Additional numbers attached? Yes Voo 5. Name and address to whom correspondence concerning document should be malled: Name: Haynes Beffel & Wolfeld LLP Internal Address: Street Address: P.O. Box 366 City: Half Moon Bay State: California Zip:94019 Phone Number: (650) 712-0340 Fax Number: (650) 712-0340 Fax Number: (650) 712-0363 Email Address: 9. Signature: Total number of applications and patents involved: One (1) 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9. September 2005 Date Total number of pages including cover sheet, attachments, and documents: 4 Name of Person Signing	Executive Order 9424, Confirmatory License		
A. Patent Application No.(s) U.S. Application No. 11/155,296 Additional numbers attached?	Other	Additional name(s) & address(es) attached? ☐ Yes ✓ No	
Additional numbers attached? Yes Vo 5. Name and address to whom correspondence concerning document should be mailed: Name: Haynes Beffel & Wolfeld LLP Internal Address:	4. Application or patent number(s):	,	
5. Name and address to whom correspondence concerning document should be mailed: Name: Haynes Beffel & Wolfeld LLP Internal Address: Street Address:	U.S. Application No. 11/155,296		
Involved: One (1) Name: Haynes Beffel & Wolfeld LLP Internal Address: 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Internal Address: Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) Street Address: P.O. Box 366 City: Half Moon Bay State: California Zip:94019 Phone Number: (650) 712-0340 Fax Number: (650) 712-0340 Fax Number: (650) 712-0363 Email Address: 9. Signature Frnest J. Beffel, Jr. Sheet, attachments, and documents: Yame of Person Signing	Additional numbers attached?		
Internal Address:	5. Name and address to whom correspondence concerning document should be mailed:	• •	
Internal Address:	Name: Haynes Beffel & Wolfeld LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Street Address: P.O. Box 366 Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Fax Number: (650) 712-0263 Email Address: 9. Signature: Ernest J. Reffel, Jr. Name of Person Signing Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9 September 2005 Date Total number of pages including cover sheet, attachments, and documents: Yellow 14 (703) 205-595 or mailed to:	Internal Address:	Authorized to be charged by credit card	
City: Half Moon Bay State: California Zip:94019 Phone Number: (650) 712-0340 Fax Number: (650) 712-0263 Email Address: 9. Signature: Finest J. Beffel, Jr. Name of Person Signing a. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9 September 2005 Date Total number of pages including cover sheet, attachments, and documents: 4	Street Address: P.O. Box 366	Enclosed	
State: California Zip:94019 Expiration Date 05/08 Phone Number: (650) 712-0340 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9 September 2005 Date Frnest J. Beffel, Jr. Name of Person Signing A. Credit Card Last 4 Numbers 4600 Expiration Date 05/08 b. Deposit Account Number Authorized User Name 9 September 2005 Date Total number of pages including cover sheet, attachments, and documents: 4	City: Helf Moon Bay	8. Payment Information	
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9. Signature: Signature Signature Frnest J. Beffel, Jr. Name of Person Signing 9 September 2005 Date Total number of pages including cover sheet, attachments, and documents: 4	Fax Number: <u>(650)</u> 712-0263	1 · · · · · · · · · · · · · · · · · · ·	
Signature Signature Total number of pages including cover sheet, attachments, and documents: Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 4	Email Address:	h	
Name of Person Signing sheet, attachments, and documents. Name of Person Signing		Date	
Name of Person Signing	Ernest J. Beffel, Jr.	Total number of pages including cover sheet, attachments, and documents:	
	Name of Person Signing	16- (702) 206-5995 or mailed to:	

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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

(1) Jaifu Luo 22 Parasol Irvine, CA 92620 U.S.A.

(2) Rajagopal Sundararaman 26552 San Torini Mission Viejo, CA 92692 U.S.A.

(3) Mehmet Ali Tan 252 Greenmoor Irvine, CA 92614 U.S.A.

hereinafter termed "Inventors", have invented certain new and useful improvements in

MULTI-STATE AMPLIFIER WITH SWITCHING CIRCUITRY

and have filed an application for a United States patent disclosing and identifying the above invention on 17 June 2005 as Application No. 11/155,296, OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such application on:

(hereinafter termed "applications"); and

WHEREAS, <u>ESS Technology</u>, <u>Inc.</u>, a corporation of California, having a place of business at <u>48401 Fremont Boulevard</u>, <u>Fremont</u>, <u>CA 94538</u> (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby jointly and severally sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said applications and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any

and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

- 2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, the inventors' respective heirs, legal representatives and assigns.
- 4. Said Inventors hereby warrant and represent that said inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

Date CHARLES FRASER COMM1453349 NOTARY PUBLIC CALIFORNIA ORANGE COUNTY My Term Exp. Dec. 20, 2007	County of
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Rajagopal Sundararaman September 2, 2005 Date CHARLES FRASER COMM1453349 NOTARY PUBLIC-CALIFORNIA ORANGE COUNTY My Term Exp. Dec. 20, 2007	State of California County of
	State of California
Mehmet Ali Tan	County of Onside) On 9/21, 2005, before me, Cimbs Fresh personally appeared personally
September 2, 2005 Date CHARLES FRASER COMM1453349 NOTARY PUBLIC-CALIFORNIA ORANGE COUNTY My Term Exp. Dec. 20, 2007	known to me or a proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.
	(Notary Public)

RECORDED: 09/12/2005