



20-12-3

TO THE ASSISTANT COMMISSIONER FOR F

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uments or copy thereof.

1. Names of conveying parties:
1) ARI Service, Inc.

2. Name and address of receiving party:
Name: Samsung Electronics America, Inc.
Street Address: 105 Challenger Road
Ridgefield Park, New Jersey 07660-2511

Additional name(s) of conveying party(ies) attached?
 Yes No

Additional name(s) of receiving party(ies) attached?
 Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Dates:
1) March 18, 2002

4. Application number or Patent number:

- Application filed herewith
Execution Dates:
- Patent Application Nos.: **SEE ATTACHED LIST**
Filing Date: **SEE ATTACHED LIST**
- Patent Nos.: **SEE ATTACHED LIST**
Issue Date: **SEE ATTACHED LIST**

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jerry T. Sewell
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach **State:** CA **ZIP:** 92660
Attorney's Docket No.: ASTRP.461GEN

7. Total fee (37 CFR 3.41): \$8,040

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 201

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.

Jerry T. Sewell
Name of Person Signing

Jerry T. Sewell
Signature

MARCH 19, 2002
Date

31,567
Registration No.

Total number of pages including cover sheet, attachments and document: 17

Mail documents to be recorded with required cover sheet information to:

03/22/2002 DBYRNE 00000011 09123702

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Assistant Commissioner for Patents
Attention: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, Virginia 22202

JFS-13269.DOC:ke
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ASSIGNMENTS DIV

LIST OF ASSIGNED UNITED STATES PATENT APPLICATIONS

Serial Number	Filing Date	Patent Number
09/123702	28-Jul-98	ASTRP.512C1
09/765181	18-Jan-01	ASTRP.216C6

JTS-13254.DOC
20020318/1

LIST OF ASSIGNED UNITED STATES PATENTS

Patent	Issue Date	Application	Filing Date	Patent Number
4222003	09-Sep-80	05/926956	09-Sep-78	ASTRP.263A
4333089	01-Jun-82	06/141295	18-Apr-80	ASTRP.260DV1
4338599	06-Jul-82	06/141293	18-Apr-80	ASTRP.258DV1
4430649	07-Feb-84	06/261976	08-May-81	ASTRP.268C1
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4443883	17-Apr-84	06/304265	21-Sep-81	ASTRP.269A
4468753	28-Aug-84	06/304173	21-Sep-81	ASTRP.313A
4494156	15-Jan-85	06/378484	14-May-82	ASTRP.123A
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LIST OF ASSIGNED UNITED STATES PATENTS

4987529	22-Jan-91	07/231765	11-Aug-88	ASTRP.096A
4991058	05-Feb-91	07/434807	09-Nov-89	ASTRP.215A
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5038308	06-Aug-91	07/232714	16-Aug-88	ASTRP.093A
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5131089	14-Jul-92	07/413803	28-Sep-89	ASTRP.244CP1
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5263668	23-Nov-93	07/777689	15-Oct-91	ASTRP.168A
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5283401	01-Feb-94	07/923104	30-Jul-92	ASTRP.277A
5297258	22-Mar-94	07/795682	21-Nov-91	ASTRP.156A
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5335142	02-Aug-94	07/994116	21-Dec-92	ASTRP.179A
5339345	16-Aug-94	07/938279	31-Aug-92	ASTRP.175A
5355148	11-Oct-94	08/004459	14-Jan-93	ASTRP.178A
5355414	11-Oct-94	08/007170	21-Jan-93	ASTRP.182A
5357050	18-Oct-94	07/979590	20-Nov-92	ASTRP.180A
5357624	18-Oct-94	08/220940	31-Mar-94	ASTRP.162FW1
5371456	06-Dec-94	08/103733	06-Aug-93	ASTRP.214FW1
5394297	28-Feb-95	08/271508	07-Jul-94	ASTRP.188C1
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5414223	09-May-95	08/288470	10-Aug-94	ASTRP.500A
5414610	09-May-95	08/080384	21-Jun-93	ASTRP.270A
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5424903	13-Jun-95	08/003138	12-Jan-93	ASTRP.208A
5430836	04-Jul-95	08/206043	04-Mar-94	ASTRP.211FW1
5438666	01-Aug-95	07/908441	30-Jun-92	ASTRP.096FW1
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5502836	26-Mar-96	08/504144	19-Jul-95	ASTRP.158FW1
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5517387	14-May-96	08/236507	29-Apr-94	ASTRP.359A
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Patent Number	Issue Date	Application Number	Filing Date	Class Number
5557505	17-Sep-96	08/278798	22-Jul-94	ASTRP.495A
5559947	24-Sep-96	08/449893	23-May-95	ASTRP.301FC1
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LIST OF ASSIGNED UNITED STATES PATENTS

PATENT NUMBER	ISSUE DATE	ASSIGNOR NUMBER	ASSIGNMENT DATE	PATENT NUMBER
5771276	23-Jun-98	08/541494	10-Oct-95	ASTRP.507A
5777853	07-Jul-98	08/642572	03-May-96	ASTRP.476A
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5779502	14-Jul-98	08/485188	06-Jun-95	ASTRP.603A
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DES.322165	10-Dec-91	07/365056	12-Jun-89	ASTRP.239DA
DES.331228	24-Nov-92	07/695887	03-May-91	ASTRP.157DA

LIST OF ASSIGNED UNITED STATES PATENTS

Patent Number	Issue Date	Application Number	Filing Date	Assign Number
DES.332781	26-Jan-93	07/600964	19-Oct-90	ASTRP.142DA
DES.335868	25-May-93	07/600965	19-Oct-90	ASTRP.141DA
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ASSIGNMENT OF U.S. PATENTS AND PATENT APPLICATIONS

WHEREAS, **ARI Service, Inc.**, a dissolved California corporation, having its place of business at 3351 Michelson Drive, Suite 250, Irvine, California 92612, (hereinafter "ASSIGNOR"), as successor-in-interest to **AST Research, Inc.**, a Delaware corporation that merged with and into ASSIGNOR, represents and warrants that it was the sole owner, of the entire right, title, and interest in and to the United States patents and patent applications specified in the list attached hereto (hereinafter "the Patents and Patent Applications");

WHEREAS, by resolution of the Board of Directors of ASSIGNOR, assets of ASSIGNOR, including the Patents and Patent Applications, were transferred to ASSIGNOR's parent corporation, **Samsung Electronics America, Inc.**, a New York corporation, having its principal place of business at 105 Challenger Road, Ridgefield Park, New Jersey 07660-0511 (hereinafter "ASSIGNEE");

WHEREAS, the undersigned officer of ASSIGNOR, proceeding under the provisions of California Corporation Code § 2010, is authorized to execute this Assignment on behalf of ASSIGNOR to confirm the transfer of the ownership of the Patents and Patent Applications to ASSIGNEE;

NOW, THEREFORE, in accordance with the resolution of the Board of Directors, ASSIGNOR hereby acknowledges and confirms that it has sold, assigned, transferred and conveyed unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the improvements, and the Patents and Patent Applications and all Patents that may be granted on the Patent Applications, including all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for the improvements or for the Patents and Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for the improvements and all Letters Patents resulting from the Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Assignment.

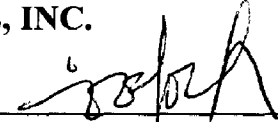
ASSIGNOR also acknowledges and confirms that it has sold, assigned, transferred and conveyed to ASSIGNEE, its successors, legal representatives, and assigns, all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of all the Patents and any patents issuing from the Patent Applications.

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR respecting the Patents and Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents and Patent Applications, will sign all

lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce the patents and any Letters Patents resulting from the Patent Applications in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 18th day of MARCH, 2002.

ARI SERVICE, INC.

By: 
Yong Soon Ihm, Secretary


STATE OF CALIFORNIA }
COUNTY OF ORANGE } ss.

On March 18, 2002, before me, Angela Faulk, personally appeared Yong Soon Ihm, personally known to me (or 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 executed the same in his authorized capacity, and that by his 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.

[SEAL]




Notary Signature

LIST OF ASSIGNED UNITED STATES PATENT APPLICATIONS

Application	Filing Date	Serial Number
09/123702	28-Jul-98	ASTRP.512C1
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4333089	01-Jun-82	06/141295	18-Apr-80	ASTRP.260DV1
4338599	06-Jul-82	06/141293	18-Apr-80	ASTRP.258DV1
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4468753	28-Aug-84	06/304173	21-Sep-81	ASTRP.313A
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DES.332781	26-Jan-93	07/600964	19-Oct-90	ASTRP.142DA
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