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1. Name of conveying party(ies):
 HYUNDAI ELECTRONICS AMERICA (CA Corporation)
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
 Name: Lehman Commercial Paper Inc., as Administrative Agent
 Internal Address: _____
 Street Address: 3 World Financial Center, 200 Vesey Street
 City: New York State: New York ZIP: 10285
 Additional name(s) & addresses attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
 Execution Date: February 26, 1998

4. Application number(s) or patents 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)
 See attached Schedule 6

B. Patent No.(s)
 See attached Schedule 6

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Raymond M. Maiello, Esq.
 Internal Address: Simpson Thacher & Bartlett
05/13/1998 DCOATES 00000028 1046618
01 FC:581 14400.00 DP
 Street Address: 425 Lexington Avenue
 City: New York State: New York ZIP: 10017

6. Total number of applications and patents involved: 360

7. Total fee (37 CFR 3.41): \$14,400
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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.

Raymond M. Maiello, Esq. [Signature] 5/7/98
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Total number of pages comprising cover sheet:

CONTINUATION OF ITEM ONE FROM RECORDATION COVER SHEET

1. Name of conveying party(ies):

SYMBIOS, INC. (DE Corporation)

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	High Speed Nonvolatile Memory Cell	0,282,528	14-Dec-1994	Granted
	Bus Executed Scan Testing Method and Apparatus	0,388,001	17-May-1995	Granted
	High Frequency Integrated Circuit Channel Capacitor	0377502	20-Dec-1995	Granted
	High Speed CMOS Flip-Flop Employing Clocked Tristate Inverters	0,567,341	13-Nov-1996	Granted
	Isolation of Regions in a CMOS Structure Using Selective Epitaxial Growth	0 354 226	05-Mar-1997	Granted
	Method and Apparatus for Generating Disk Array Interrupt Signals	0 508 602	04-Jun-1997	Granted
	Multiple Channel Data Bus Routing Switch Including Parity Generation Capabilities	0 514 195	13-Aug-1997	Granted
	High Speed, Low Power Input/Output Circuit for a Multi-Chip Module	0 620 649	10-Sep-1997	Granted
United States of America	Method of Manufacturing A Dielectrically Isolated Semiconductor Device	4032373	28-Jun-1977	Expired

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Semiconductor Processing of Silicon Nitride	4075367	21-Feb-1978	Expired
	Internal Vibration Dampening Means for Printing Mechanism	4081067	28-Mar-1978	Expired
	Ribbon Cassette with Bi-Color Capability	4088218	09-May-1978	Expired
	Alterable Capacitor Memory Array	4094008	06-Jun-1978	Expired
	Load and Hold Means for Plasma Display Devices	4105930	08-Aug-1978	Expired
	Method of Processing a Semiconductor	4125427	14-Nov-1978	Expired
	System for Operating Volatile Memory in Normal and Standby Modes	4130899	19-Dec-1978	Expired
	Method for Making Narrow Channel FET by Masking and Ion-Implantation	4145233	20-Mar-1979	Expired
	Method for Forming Ion-Implanted Self-Aligned Gate Structure by Controlled ION Scattering	4149904	17-Apr-1979	Expired
	Solid State Tunable Capacitor	4156249	22-May-1979	Expired
	Control System	4158800	19-Jun-1979	Expired

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
9	Liquid Crystal Alignment Structure	4165923	28-Aug-1979	Expired
	Non-volatile Random Access Memory Cell	4175291	20-Nov-1979	Expired
	Method for Enhancing the Adhesion of Photoresist to Polysilicon	4176003	27-Nov-1979	Expired
	Zero-Insertion Force Electrical Connector	4178053	11-Dec-1979	Expired
	Adaptive Synchronizing Circuit for Decoding Phase-Encoded Data	4181919	01-Jan-1980	Expired
4	ROM Memory Cell with 2<N> FET Channel Widths	4192014	04-Mar-1980	Expired
	Signal Generator	4193539	18-Mar-1980	Expired
	Sequential Control System	4195339	25-Mar-1980	Expired
7	CISFET Processing Including Simultaneous Implantation of Spaced Polycrystalline Silicon Regions and Non-Memory FET Channels	4210465	01-Jul-1980	Granted
7	Method for Making Narrow Channel FET	4212683	15-Jul-1980	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	CISFET Processing Including Simultaneous Doping of Silicon Components and FET Channels	4212684	15-Jul-1980	Granted
	Electrically Alterable Memory Cell	4224686	23-Sep-1980	Granted
	Apparatus for Facilitating the Servicing of Printed Circuit Boards	4230986	28-Oct-1980	Granted
	Input-Keep Alive Arrangement for Plasma Charge Transfer Device	4233544	11-Nov-1980	Granted
	Character Position Control for a Matrix Printer	4247214	27-Jan-1981	Granted
	Static Volatile/Non-Volatile RAM Cell	4271487	02-Jun-1981	Granted
	Topography for Integrated Circuit Frame Control Chip	4275380	23-Jun-1981	Granted
	Apparatus for Advancing a Record Medium	4279524	21-Jul-1981	Granted
	Multiline Charge Transfer Panel Input and Hold System	4283660	11-Aug-1981	Granted
	Topography for Integrated Circuit Pattern Recognition Array	4287507	01-Sep-1981	Granted
	Latching Schmitt Trigger Circuit	4301379	17-Nov-1981	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Polysilicon-to-Substrate Contact Processing	4305760	15-Dec-1981	Granted
	Method for Conditioning Nitride Surface	4330569	18-May-1982	Granted
	Cursor for Plasma Shift Register Display	4336535	22-Jun-1982	Granted
	Method and Circuitry for Synchronizing the Read and Update Functions of a Timer/Counter Circuit	4341950	27-Jul-1982	Granted
	Random Access Memory Imaging System	4344091	10-Aug-1982	Granted
	AC Drive System for Plasma Display Panels	4346379	24-Aug-1982	Granted
	End Point Detection Using Gas Flow	4345968	24-Aug-1982	Granted
	Method for Fabricating an Integrated Circuit	4345365	24-Aug-1982	Granted
	Self-Aligned Al-N + Polysilicon CMOS Process	4345366	24-Aug-1982	Granted
	Ball Bearing Slide	4348063	07-Sep-1982	Granted
	Method of Plasma Panel Drive to Reduce Flash and Create Dimming	4350932	21-Sep-1982	Granted
	Low Voltage Nonvolatile Memory Device	4353083	05-Oct-1982	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method and Apparatus for Selecting Elements	4361858	30-Nov-1982	Granted
	Ribbon Cassette with Bi-Color Capability	31117-RE	04-Jan-1983	Granted
	Method of Making Coplanar MOS IC Structures	4372033	08-Feb-1983	Granted
	Associative Memory System	4376974	15-Mar-1983	Granted
	EAROM Cell Matrix and Logic Arrays with Common Memory Gate	4380804	19-Apr-1983	Granted
	Silicon Nitride S/D Ion Implant Mask in CMOS Device Fabrication	4382827	10-May-1983	Granted
	Method for Making Low Leakage Polycrystalline Silicon-to-Substrate Contacts	4397076	09-Aug-1983	Granted
	Thermoelectric (Peltier Effect) Hot/Cold Socket for Packaged I.C. Microprobing	4402185	06-Sep-1983	Granted
	Write/Restore/Erase Signal Generator for Volatile/Non-volatile Memory System	4405868	20-Sep-1983	Granted
	High Speed Write Control for Synchronous Registers	4409680	11-Oct-1983	Granted
	MOS Sense Amplifier	4412143	25-Oct-1983	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method of Reworking Upper Metal in Multilayer Metal Integrated Circuits	4415606	15-Nov-1983	Granted
	Metal Bevel Process for Multi-Level Metal Semiconductor Applications	4425183	10-Jan-1984	Granted
	Process for Forming MNOS Dual Dielectric Structure	4438157	20-Mar-1984	Granted
	Device Having Implantation for Controlling Gate Parasitic Action	4454524	12-Jun-1984	Granted
	Epitaxial Contact Fabrication Process	4464824	14-Aug-1984	Granted
	Method of Making CMOS Device and Contacts Therein by Enhanced Oxidation of Selectively Implanted Regions	4470852	11-Sep-1984	Granted
	Method of Fabricating Zener Diodes	4473941	02-Oct-1984	Granted
	Clipped Speech-Linear Predictive Coding Speech Processor	4477925	16-Oct-1984	Expired
	Integrated Circuit Dual Polarity High Voltage Multiplier for Extended Operating Temperature Range	4485433	27-Nov-1984	Granted
	Narrow Channel FET	4485390	27-Nov-1984	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Sensing and Logic for Multiple Bit Per Cell ROM	4488065	11-Dec-1984	Granted
	Oxide Trench Structure for Polysilicon Gates and Interconnects	4503601	12-Mar-1985	Granted
	Method of Making CMOS by Twin-Tub Process Integrated with a Vertical Bipolar Transistor	4507847	02-Apr-1985	Granted
	Unified CMOS/SNOS Semiconductor Fabrication Process	4516313	14-May-1985	Granted
	Transparent Instruction Word Bus Memory System	4520464	28-May-1985	Granted
	Priority Interrupt System for Microcomputer	4523277	11-Jun-1985	Granted
	Process for Fabricating a Bipolar Transistor with a Thin Base and an Abrupt Base-Collector Junction	4523370	18-Jun-1985	Granted
	Precision Integrated Circuit Alignment Keys and Method	4523851	18-Jun-1985	Granted
	High Voltage Pass Circuit	4527074	02-Jul-1985	Granted
	Mixed Dielectric Process and Non Volatile Memory Device Fabricated Thereby	4534104	13-Aug-1985	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	System and Method for Stabilizing Asynchronous State Machines	4562427	31-Dec-1985	Granted
	Method for Forming Trench Isolation Structures	4571819	25-Feb-1986	Granted
	Method for Forming Trench Isolation Structures	4576834	18-Mar-1986	Granted
	Process for Forming Retrograde Dopant Distributions Utilizing Simultaneous Outdiffusion of Dopants	4578128	25-Mar-1986	Granted
	Twin Well Single Mask CMOS Process	4584027	22-Apr-1986	Granted
	Device for Focusing a Laser on a Recording Medium by Wavelength Modulation	4595810	17-Jun-1986	Granted
	X-And-OR Memory Array	4602354	22-Jul-1986	Granted
	Formation and Planarization of Silicon-on-Insulator Structures	4604162	05-Aug-1986	Granted
	Paging Register for Memory Devices	4613953	23-Sep-1986	Granted
	Direct-Write Silicon Nitride EEPROM Cell	4616245	07-Oct-1986	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method of Making Laser Recrystallized Silicon-on-Insulator Nonvolatile Memory Device	4619034	28-Oct-1986	Granted
	FET Driver Circuit with Mask Programmable Transition Rates	4634893	06-Jan-1987	Granted
	Current Sinking Responsive MOS Sense Amplifier	4636664	13-Jan-1987	Granted
	Programmable Read Only Memory Using a Tungsten Fuse	4647340	03-Mar-1987	Granted
	Negative Input Voltage CMOS Circuit	4647798	03-Mar-1987	Granted
	Use of Selectively Deposited Tungsten for Contact Formation and Shunting Metallization	4648175	10-Mar-1987	Granted
	Method of Fabricating a High Density, Low Power Merged Vertical Fuse/Bipolar Transistor	4651409	24-Mar-1987	Granted
	Fabrication Process for Aligned and Stacked CMOS Devices	4654121	31-Mar-1987	Granted
	Trench Isolation Structures	4656497	07-Apr-1987	Granted
	High Speed Master-Slave Flip-Flop	4656368	07-Apr-1987	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	CMOS Memory Margining Control Circuit for a Nonvolatile Memory	4658380	14-Apr-1987	Granted
	Two Bit Vertically/Horizontally Integrated Memory Cell	4667217	19-May-1987	Granted
	Method for Forming Channel Stops in Vertical Semiconductor Surfaces	4666557	19-May-1987	Granted
	High Speed Counter With Decoding Means and Means for Selecting Second and Higher Order Counter Stages to be Toggled	4669101	26-May-1987	Granted
	Trench Filling and Planarization Process	4671970	09-Jun-1987	Granted
	Formation of Self-Aligned Stacked CMOS Structures by Lift-Off	4679299	14-Jul-1987	Granted
	MOSFET Process Using Implantation Through Silicon	4682404	28-Jul-1987	Granted
	Fault Tolerant Memory	4692923	08-Sep-1987	Granted
	Asynchronous FIFO Status Circuit	4694426	15-Sep-1987	Granted
	Totally Self-Aligned CMOS Process	4701423	20-Oct-1987	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Circuit for Initiating Test Modes	4714876	22-Dec-1987	Granted
	Non-Destructive Method and Circuit to Determine the Programmability of a One Time Programmable Device	4718042	05-Jan-1988	Granted
	Pocket Calculator with Credit Card Controller and Dispenser	4719338	12-Jan-1988	Granted
	Common Cell I/O Interface Circuit	4745305	17-May-1988	Granted
	High Speed Nonvolatile Memory Cell	4748593	31-May-1988	Granted
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	4753901	28-Jun-1988	Granted
	Nonvolatile Multiconfigurable Circuit	4754432	28-Jun-1988	Granted
	Surface Mount Electronic Device Package	4754880	05-Jul-1988	Granted
	Shared Line Direct Write Nonvolatile Memory Cell Array	4769788	06-Sep-1988	Granted
	Digitally Compensated Multiplying Digital To Analog Converter	4779029	18-Oct-1988	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	CMOS Integrated Devices in Seeded Islands	4799097	17-Jan-1989	Granted
	Fiber Optic Coupling System	4798428	17-Jan-1989	Granted
	Digital System and Method for Compressing Speech Signals for Storage and Transmission	4802221	31-Jan-1989	Granted
	Nonvolatile Electronic Odometer with Excess Write Cycle Protection	4803707	07-Feb-1989	Granted
	Method and Apparatus for Encoding and Decoding Speech Signal Primary Information	4817154	28-Mar-1989	Granted
	Isolation of Regions in a CMOS Structure Using Selective Epitaxial Growth	4820654	11-Apr-1989	Granted
	Driver Circuit Providing Load and Time Adaptive Current	4829199	09-May-1989	Granted
	Method and Apparatus for Controlling Data Transfers Through Multiple Buffers	4843544	27-Jun-1989	Granted
	Native Oxide Reduction for Sealing Nitride Deposition	4855258	08-Aug-1989	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Bandgap Voltage Reference Including a Process and Temperature Insensitive Start-Up Circuit and Power-Down Capability	4857823	15-Aug-1989	Granted
	Multiple Photoresist Layer Process Using Selective Hardening	4859573	22-Aug-1989	Granted
	Binary Autocorrelation Processor	4860357	22-Aug-1989	Granted
	High Frequency Integrated Circuit Channel Capacitor	4866567	12-Sep-1989	Granted
	Digital Data Bus Architecture for Computer Disk Drive Controller	4866601	12-Sep-1989	Granted
	Self-Correcting Digitally Controlled Timing Circuit	4868430	19-Sep-1989	Granted
	Compact Register Set Using a PSRAM Array	4870616	26-Sep-1989	Granted
	Method of Making Asymmetrically Optimized CMOS Field Effect Transistors	4874713	17-Oct-1989	Granted
	Two Transistor Full Wave Rectifier	4875151	17-Oct-1989	Granted
	Crystallized Silicon-on-Insulator Nonvolatile Memory Device	4876582	24-Oct-1989	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Low Noise Output Buffer Circuit	4880997	14-Nov-1989	Granted
	Matched Current Source Serial Bus Driver	4890010	26-Dec-1989	Granted
	Logical Drawing and Transparency Circuits for Bit Mapped Video Display Controllers	4893116	09-Jan-1990	Granted
	Buffer Circuit with Load Sensitive Transition Control	4906867	06-Mar-1990	Granted
	Method for Forming Epitaxial Silicon on Insulator Structures Using Oxidized Porous Silicon	4910165	20-Mar-1990	Granted
	Digitally Compensated Multiplying Digital to Analog Converter	4920344	24-Apr-1990	Granted
	Semiconductor Field Oxide Formation Process Using a Sealing Sidewall of Consumable Nitride	4923563	08-May-1990	Granted
	Gate Isolated Base Cell Structure with Off-Grid Gate Polysilicon Pattern	4928160	22-May-1990	Granted
	Multiple Port Bus Interface Controller with Slave Bus	4935868	19-Jun-1990	Granted
	Bus Executed Scan Testing Method and Apparatus	4947395	07-Aug-1990	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
133	AC Power Interconnect for Stacked Electronic Devices	4950178	21-Aug-1990	Granted
	Current Limiting Output Driver	4962345	09-Oct-1990	Granted
	Method for Providing an Improved Human User Interface to a Knowledge Based System	4965741	23-Oct-1990	Granted
	Architectural Arrangement for a SCSI Disk Controller Integrated Circuit	4965801	23-Oct-1990	Granted
	Clock Generating Circuit for Asynchronous Pulses	4968906	06-Nov-1990	Granted
	Gate Isolated I/O Cell Architecture for Diverse Pad and Drive Configurations	4975758	04-Dec-1990	Granted
	Structure and Process for Forming Semiconductor Field Oxide Using a Sealing Sidewall of Consumable Nitride	4986879	22-Jan-1991	Granted
	Digital Frequency Divider	4991188	05-Feb-1991	Granted
	Base for Stackable Assemblies	4996628	26-Feb-1991	Granted
	Method of Making CMOS Integrated Devices in Seeded Islands	4997780	05-Mar-1991	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Synchronizer Circuit With Asynchronous Clearing	5012127	30-Apr-1991	Granted
	Activity Display Panel for a Data Processor or the Like	316708-DE	07-May-1991	Granted
	High Accuracy Analog-to-Digital Converter With Rail-to-Rail Reference and Input Voltage Ranges	5016014	14-May-1991	Granted
	Integrated Circuit Driver for Serial Bus Having Output Overvoltage Protection	5019720	28-May-1991	Granted
	Random Access Memory Device with Integral Logic Capability	5023838	11-Jun-1991	Granted
	Low Current Driver for Gate Array	5029283	02-Jul-1991	Granted
	Transient Immune Input Buffer	5041741	20-Aug-1991	Granted
	Circuit and Method for Regulating the Current Flow in a Distributorless Ignition System Coil	5043633	27-Aug-1991	Granted
	Trinary to Binary Level Conversion Circuit	5045728	03-Sep-1991	Granted
	High Frequency Asynchronous Data Synchronizer	5047658	10-Sep-1991	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method and Apparatus for Controlling Noise on Power Supply Buses	5059822	22-Oct-1991	Granted
	High Density Input/Output Cell Arrangement for Integrated Circuits	5063429	05-Nov-1991	Granted
	Supply Connection Integrity Monitor	5077521	31-Dec-1991	Granted
	Arbitration Apparatus for a Parallel Bus	5081578	14-Jan-1992	Granted
	Silica-Based Anti-Reflective Planarizing Layer	5100503	31-Mar-1992	Granted
	Digitally Controlled Delay Circuit	5111085	05-May-1992	Granted
	Sample-and-Hold Switch with Low on Resistance and Reduced Charge Injection	5111072	05-May-1992	Granted
	Method and Apparatus for Bus Executed Boundary Scanning	5115435	19-May-1992	Granted
	Drive Canister Mounting Module	5124886	23-Jun-1992	Granted
	High Speed Data Synchronizer	5132990	21-Jul-1992	Granted
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	5136652	04-Aug-1992	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	High Speed CMOS Flip-Flop Employing Clocked Tristate Inverters	5140180	18-Aug-1992	Granted
	Bit Mapped Color Cursor	5146211	08-Sep-1992	Granted
	Enclosure for Electronic Equipment	329640-DE	22-Sep-1992	Granted
	Spin-on Glass Composition	5152834	06-Oct-1992	Granted
	Integrated Controller Using Alternately Filled and Emptied Buffers for Controlling Bi-Directional Data Transfer Between a Processor and a Data Storage Device	5163132	10-Nov-1992	Granted
	Nonvolatile Differential Memory Device and Method	5168464	01-Dec-1992	Granted
	Method and Apparatus for Generating Disk Array Interrupt Signals	5179704	12-Jan-1993	Granted
	Electrical Connection Between Buses on a Semiconductor Integrated Circuit	5185652	09-Feb-1993	Granted
	Low Power Pseudo-Static ROM	5226014	06-Jul-1993	Granted
	Voltage Variable Delay Circuit	5231319	27-Jul-1993	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Memory Security Device	5233563	03-Aug-1993	Granted
	Control Method and Apparatus for Controlling the Data Flow Rate in a FIFO Memory, for Synchronous SCSI Data Transfers	5237660	17-Aug-1993	Granted
	Structure for Improving Gate Oxide Integrity for a Semiconductor Formed by a Recessed Sealed Sidewall Field Oxidation Process	5248350	28-Sep-1993	Granted
	Disk Controller Having Host Interface and Bus Switches for Selecting Buffer and Drive Busses Respectively Based on Configuration Control Signals	5257391	26-Oct-1993	Granted
	Device and Method for Approximating the Square Root of a Number	5268857	07-Dec-1993	Granted
	Single Element Security Fusible Link	5270983	14-Dec-1993	Granted
	Method of Estimating Logic Cell Delay Time	5274568	28-Dec-1993	Granted
	TTL Compatible Input Buffer	5276361	04-Jan-1994	Granted
	Memory Control System and Method	5283763	01-Feb-1994	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
US	CMOS Circuit for Receiving ECL Signals	5283482	01-Feb-1994	Granted
US	Bufferless SCSI to SCSI Data Transfer Scheme for Disk Array Applications	5287462	15-Feb-1994	Granted
US	Balanced Voltage Comparator	5287070	15-Feb-1994	Granted
US	Connection System for Integrated Circuits Which Reduces Cross-Talk	5288949	22-Feb-1994	Granted
US	Process for Forming Self-Aligned Titanium Silicide by Heating in an Oxygen Rich Environment	5288666	22-Feb-1994	Granted
US	Method for Designing a Scan Path for a Logic Circuit and Testing of the Same	5291495	01-Mar-1994	Granted
US	High Speed Current/Voltage Controlled Ring Oscillator Circuit	5300898	05-Apr-1994	Granted
US	Method and Apparatus for a Dynamic, Timed-Loop Arbitration	5301332	05-Apr-1994	Granted
US	Coating Solution for Forming Glassy Layers	5302198	12-Apr-1994	Granted
US	Multi-Chip Module Board	5303121	12-Apr-1994	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Controllable Multi-Phase Ring Oscillators with Variable Current Sources and Capacitances	5302920	12-Apr-1994	Granted
	Phase-and-Frequency Mode/Phase Mode Detector With the Same Gain in Both Modes	5307028	26-Apr-1994	Granted
	Selective Sidewall Diffusion Process Using Dopped SOG	5308790	03-May-1994	Granted
	Single Element Security Fusible Link	5309394	03-May-1994	Granted
	Global Planarization Using SOG and CMP	5312512	17-May-1994	Granted
	Method for Forming a Bipolar Emitter Using Doped SOG	5322805	21-Jun-1994	Granted
	Threshold Controlled Input Circuit for an Integrated Circuit	5341046	23-Aug-1994	Granted
	Method of Making a Shallow Junction by Using First and Second SOG Layers	5340770	23-Aug-1994	Granted
	Method for Forming a Bipolar Transistor Using Doped SOG	5340752	23-Aug-1994	Granted
	Multiple Configuration Data Path Architecture for a Disk Array Controller	5345565	06-Sep-1994	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
US	Fast CMOS Charge Pump Circuit	5363066	08-Nov-1994	Granted
US	Multi-Chip Module with Multiple Compartments	5369552	29-Nov-1994	Granted
US	Method and Apparatus for Synchronizing Disk Drive Requests Within a Disk Array	5375217	20-Dec-1994	Granted
US	Method and Apparatus for Generating Reed-Soloman Error Correcting Code Across Multiple Word Boundaries	5375127	20-Dec-1994	Granted
US	Semiconductor Fuse Structure	5376820	27-Dec-1994	Granted
US	Delayed Initiation of Read-Modify-Write Parity Operations in a Raid Level 5 Disk Array	5388108	07-Feb-1995	Granted
US	Fast Write I/O Handling in a Disk Array Using Spare Drive for Buffering	5418925	23-May-1995	Granted
US	Bus Configuration Validation for a Multiple Source Disk Array Bus.	5430747	04-Jul-1995	Granted
US	Repeatedly Programmable Logic Array Using Dynamic Access Memory	5432388	11-Jul-1995	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
201	Detection of Tri-State Logic Signals	5432440	11-Jul-1995	Granted
202	Method for Using Low Dielectric Constant Material in Integrated Circuit Fabrication	5438022	01-Aug-1995	Granted
203	CMOS Power FET Driver Including Multiple Power MOSFET Transistors Connected in Parallel, Each Carrying an Equivalent Portion of the Total Driver Current	5442218	15-Aug-1995	Granted
204	Process for Forming Titanium Silicide Local Interconnect	5443996	22-Aug-1995	Granted
205	Current Limited Output Driver for a Gate Array Circuit	5444401	22-Aug-1995	Granted
206	Reluctance Sensor Having Variable Threshold Detection Circuit	5446375	29-Aug-1995	Granted
207	Method for Forming an Amorphous Silicon Programmable Element	5447880	05-Sep-1995	Granted
208	System and Method for Transferring Data Between Independent Busses	5455913	03-Oct-1995	Granted
209	MOS Amplifier with Gain Control	5455816	03-Oct-1995	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Integrated Circuit Oscillator with High Voltage Feedback Network	5457434	10-Oct-1995	Granted
	Solid-State Ink-Jet Print Head	5459501	17-Oct-1995	Granted
	Supply Voltage Tolerant Phase-Locked Loop Circuit	5463352	31-Oct-1995	Granted
	Structure and Method for Remotely Measuring Process Data	5466614	14-Nov-1995	Granted
	Peripheral Component Interfacing System with Bus Voltage/Logic Supply Comparison Means	5469082	21-Nov-1995	Granted
	Apparatus for Arbitrating for a High Speed Direct Memory Access Bus	5471639	28-Nov-1995	Granted
	Coating Solution for Forming Glassy Layers	5472488	05-Dec-1995	Granted
	Circuit and Method for Generating a Clock Signal	5477180	19-Dec-1995	Granted
	Extendible-Range Voltage Controlled Oscillator	5477198	19-Dec-1995	Granted
	Multi-Chip Module with Multiple Compartments	5480840	02-Jan-1996	Granted
	High Speed, Low Power Input/Output Circuit for a Multi-Chip Module	5481207	02-Jan-1996	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
231	Concurrent Image Backup for Disk Storage System	5487160	23-Jan-1996	Granted
232	Differential Analog Transistors Constructed from Digital Transistors	5488249	30-Jan-1996	Granted
233	Apparatus for Reducing Current Consumption in a CMOS Inverter Circuit	5491429	13-Feb-1996	Granted
234	Multi-Chip Module Packaging System	5497027	05-Mar-1996	Granted
235	Lightly Doped Drain Ballast Resistor	5498892	12-Mar-1996	Granted
236	Terminating Access of an Agent to a Shared Resource When a Timer, Started After a Low Latency Agent Requests Access, Reaches a Predetermined Value	5506968	09-Apr-1996	Granted
237	Method of Making Bi-CMOS Integrated Circuit Having a Polysilicon Emitter	5516718	14-May-1996	Granted
238	Voltage-to-Current Converter Without Series Sensing Resistor	5519310	21-May-1996	Granted
239	High Speed Boundary Scan Multiplexer	5519355	21-May-1996	Granted
240	Color Image Array Scanner with High Resolution Monochrome Mode	5521640	28-May-1996	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
239	Method and Apparatus for Calculating Dynamic Power Dissipation in CMOS Integrated Circuits	5521834	28-May-1996	Granted
240	CMOS Disk Drive Motor Control Circuit Having Back-EMF Blocking Circuitry	5521476	28-May-1996	Granted
241	Memory with Latched Output	5526310	11-Jun-1996	Granted
242	5-Volt Tolerant Bi-Directional I/O Pad for 3-Volt-Optimized Integrated Circuits	5528447	18-Jun-1996	Granted
243	Electronic Device with a Spin-on Glass Dielectric Layer	5527872	18-Jun-1996	Granted
244	Method for Maintaining Parity-Data Consistency in a Disk Array	5533190	02-Jul-1996	Granted
245	Polysilicon Fuse Array Structure for Integrated Circuits	5536968	16-Jul-1996	Granted
246	Analog Output Driver for Gate Arrays	5541548	30-Jul-1996	Granted
247	Process for Forming Titanium Silicide Local Interconnect	5543361	06-Aug-1996	Granted
248	Method and Apparatus for Polymer Coating of Substrates	5545440	13-Aug-1996	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
(27)	Data Storage Device Matrix Architecture	5550986	27-Aug-1996	Granted
(27)	Elevated Emitter for Double Poly BiCMOS Devices	5557131	17-Sep-1996	Granted
(27)	Multi-Range Voltage Controlled Oscillator	5559473	24-Sep-1996	Granted
(27)	Wall Outlet with Direct Current Output	5563782	08-Oct-1996	Granted
(27)	Method for Partitioning Disk Drives Within a Physical Disk Array and Selectively Assigning Disk Drive Partitions into a Logical Disk Array	5568629	22-Oct-1996	Granted
(27)	Noise Cancellation for Non-Ideal Electrostatic Shielding	5574262	12-Nov-1996	Granted
(27)	Multi-Phase Charge Sharing Method and Apparatus	5574633	12-Nov-1996	Granted
(27)	Method for Performing On-Line Reconfiguration of a Disk Array Concurrent with Execution of Disk I/O Operations	5574851	12-Nov-1996	Granted
(27)	CMOS Driver for Fast Single-Ended Bus	5576640	19-Nov-1996	Granted
(27)	Method for Manufacturing a Monitor Element	5576224	19-Nov-1996	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
171	Multi-Device Adapter Card for Computer	5577213	19-Nov-1996	Granted
2	System for Testing the Functionality of Video Cord and Monitor by Using Program to Enable User to View List of Modes and Select Compatible Mode	5581788	03-Dec-1996	Granted
3	Method and Apparatus for Managing Video Data for Faster Access by Selectively Caching Video Data	5581731	03-Dec-1996	Granted
4	Method for Making a Solid-State Ink Jet Print Head	5581861	10-Dec-1996	Granted
5	Method and Device for Processing Multiple, Asynchronous Interrupt Signals	5584028	10-Dec-1996	Granted
6	Method for Transferring Data Between Two Devices That Insures Data Recovery in the Event of a Fault	5588110	24-Dec-1996	Granted
7	Multiclock Controller	5587675	24-Dec-1996	Granted
8	Apparatus and Method for Matching Data Rates to Transfer Data Between Two Asynchronous Devices	5592629	07-Jan-1997	Granted
9	Method and Apparatus for the Protection of Write Data in a Disk Array	5596708	21-Jan-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method and Apparatus for Separating Data and Clock from a Digital Data Stream	5598443	28-Jan-1997	Granted
	Array Storage System for Returning an I/O Complete Signal to a Virtual I/O Daemon that is Separated from Software Array Driver and Physical Device Driver	5598549	28-Jan-1997	Granted
	CMOS Disk Drive Motor Control Circuit Having Back-EMF Regulator Circuitry	5600217	04-Feb-1997	Granted
	Synchronous Telemetry Channel	5608390	04-Mar-1997	Granted
	Battery Back-up for Electronic Circuits	5608273	04-Mar-1997	Granted
	Differential Analog Transistors Constructed from Digital Transistors	5610429	11-Mar-1997	Granted
	Electrostatic Discharge Protection System for Mixed Voltage Application Specific Integrated Circuit Design	5616943	01-Apr-1997	Granted
	Communications Transceiver Using an Adaptive Directional Antenna	5617102	01-Apr-1997	Granted
	Architectural Arrangement for a Video Server	5625405	29-Apr-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
274	Disk Array Storage System Architecture for Parity Operations Simultaneous with Other Data Operations	5634033	27-May-1997	Granted
275	Method and Apparatus for Determining and Maintaining Drive Status from Codes Written to Disk Drives of an Arrayed Storage Subsystem	5644767	01-Jul-1997	Granted
276	Mixed Format Video RAM	5644336	01-Jul-1997	Granted
277	Method for Scheduling the Execution of Disk I/O Operations	5644786	01-Jul-1997	Granted
278	Method for Polishing a Wafer	5645736	08-Jul-1997	Granted
279	Non-Volatile Memory Which is Programmable from a Power Source	5648930	15-Jul-1997	Granted
280	Image Sensor Array with Picture Element Sensor Testability	5654537	05-Aug-1997	Granted
281	Drain Excluded Eprom Cell	5661687	26-Aug-1997	Granted
282	Electronic Device with an SOG Dielectric Interlayer	5665845	09-Sep-1997	Granted
283	Data Compression in Digitizing Tablet	5668352	16-Sep-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
239	I/O System for Reducing Main Processor Overhead in Initiating I/O Requests and Servicing I/O Completion Events	5671365	23-Sep-1997	Granted
240	Sea-of-Cells Array of Transistors	5671397	23-Sep-1997	Granted
241	Universal Power Interface Adapter for Burn-In Board	5672981	30-Sep-1997	Granted
242	Semiconductor Fuse and Method	5672905	30-Sep-1997	Granted
243	High-Frequency Phase Locked Loop Circuit	5675620	07-Oct-1997	Granted
244	Signal Generator with Supply Voltage Tolerance	5677642	14-Oct-1997	Granted
245	Shallow Trench Isolation in Integrated Circuits	5677564	14-Oct-1997	Granted
246	Method and Apparatus for Pseudo-Aligned Transfer of Data to Memory Wherein a Re-Alignment is Performed Based on the Data Byte Control Header	5680642	21-Oct-1997	Granted
247	5 Volt Driver in a 3 Volt CMOS Process	5684415	04-Nov-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
	Method and Apparatus for Maintaining Automatic Termination of a Bus in the Event of a Host Failure	08/854,298	12-May-1997	Pending
	Segmented DMA with XOR Buffer for Storage Subsystems		30-Sep-1997	Pending
	Method and Apparatus for Setting a Plurality of Addresses	08/804,326	21-Feb-1997	Pending
	A Method of Secondary to Secondary Data Transfer with Mirroring	08/772,443	23-Dec-1996	Pending
	Solid State Hard Disk Simulator	08/747,485	12-Nov-1996	Pending
	Fast Posting to Shared Queues in Multi-Processor Environments	08/781,871	10-Jan-1997	Pending
	A Method for Capturing ASIC I/O Pin Data for Tester Compatibility Analysis	08/773,469	23-Dec-1996	Pending
	Method and Apparatus for Analyzing Digital Circuits		30-Sep-1997	Pending
	Automatic Power Supply Sensing with On-Chip Regulation	08/904,736	01-Aug-1997	Pending
	A Method and Apparatus for Concurrent Execution of Operating Systems	08/923,880	02-Sep-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
	Context-Based Failover Architecture for Redundant Servers		14-Oct-1997	Pending
(3-4)	Method to Store Initiator Information for SCSI Data Transfer	08/723,110	30-Sep-1996	Pending
(3-5)	Method and Device for Isolating Noise Sensitive Circuitry from Switching Current Noise on Semiconductor Substrate	08/777,686	20-Dec-1996	Pending
(3-6)	A Method for Reducing Flat Display Horizontal Scan Signal Interference in the Electrostatic Pen Operated Digitizer	08/904,735	01-Aug-1997	Pending
(3-7)	Method and System for Recovering Digital Data from a Transmitted Balanced Signal	08/672,180	27-Jun-1996	Pending
	Test Mode for Multifunction PCI Device		30-Sep-1997	Pending
(3-8)	Method and Apparatus for Using a Standby Network Interface for Control Messages in a Redundant Server Environment	08/845,304	25-Apr-1997	Pending
(3-9)	Audio Transient Suppression Device	08/833,816	09-Apr-1997	Pending
(3-10)	Linear SCSI Terminator Sensing Circuit	08/901,273	28-Jul-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
	A Method and Apparatus for Chemical Mechanical Polishing		29-Sep-1997	Pending
(311)	Method and Apparatus for Storage of Multiple Host Storage Management Information on a Storage Subsystem	08/884,707	30-Jun-1997	Pending
(312)	Compact Ventilation Unit with Exhaust Ports for Electronic Apparatus	08/869,267	04-Jun-1997	Pending
(313)	Method and Apparatus of Testing a Peripheral Bus for Data Transfer Integrity	08/939,197	29-Sep-1997	Pending
(314)	Inter-Bus Bridge Circuit With Integrated Memory Port	08/674,592	28-Jun-1996	Pending
(315)	Offset Adjustment of CMOS Matched Pairs with Body Voltage	08/904,734	01-Aug-1997	Pending
(316)	Method for Uniquely Identifying Logical Units in a Computer System	08/857,713	16-May-1997	Pending
(317)	Implanted Nitrided Gate Oxide Process and Structure	08/900,412	28-Jul-1997	Pending
	High Speed Chien Search Logic		14-Oct-1997	Pending
	Method to Check for Burst Limiting in Error Correcting Systems		14-Oct-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
3	Method and Apparatus for Doubling a Clock Signal Using Phase Interpolation	08/828,496	31-Mar-1997	Pending
4	Method and Apparatus for Improving Fairness in SCSI Bus Arbitration	08/724,596	30-Sep-1996	Pending
5	An Automated Coalesced Read with Optional Skipped Hit	08/723,294	30-Sep-1996	Pending
	Generated by frmCountryApplications		20-Oct-1997	Pending
6	Electrode Assembly for a Plasma Reactor	08/767,698	17-Dec-1996	Pending
7	Method and Structure for Automated Switching Between Multiple Contexts in Storage Subsystem Target Device	08/720,393	30-Sep-1996	Pending
213	Subsonic to Supersonic and Ultrasonic Conditioning of Polishing Pad in a Chemical Mechanical Polishing Apparatus	08/696,445	13-Aug-1996	Pending
324	Method for Accelerating Disk Array Write Operations Using Segmented Cache Memory and Data Logging	08/904,107	31-Jul-1997	Pending
325	Simple BiCMOS Process for Creation of Low Trigger Voltage SCR and Zener Diode Pad Protection	08/768,905	17-Dec-1996	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
326	Inter-Bus Bridge Circuit with Integrated Loopback Test Capability and Method for Use of Same	08/819,018	17-Mar-1997	Pending
319	Method and Apparatus for CD-Rom Audio Playback	08/672,796	28-Jun-1996	Pending
320	Method and Structure for Multiple Contexts in Storage Subsystem Target Device	08/724,385	01-Oct-1996	Pending
321	Software Recognition of Drive Removal or Insertion in a Storage System	08/904,444	31-Jul-1997	Pending
330	Digitizer Stylus Containing Handwriting Data	08/905,922	05-Aug-1997	Pending
322	Telemetry by Digitizer Stylus	08/906,254	04-Aug-1997	Pending
323	Method and Apparatus for Touch Detection Basd on the Velocity of an Object Relative to a Sensor Panel	08/928,366	12-Sep-1997	Pending
324	Generated by frmCountryApplications	08/933,327	18-Sep-1997	Pending
	Bi-CMOS Integrated Circuit		19-Sep-1997	Pending
325	Compensation of Stylus Signals in Digitizing Tablet	08/286,720	05-Aug-1994	Pending
	Method of Forming Isolation Trenches in Integrated Circuits		15-Sep-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
33	Method and Apparatus for Providing Loop Coherency	08/772,616	23-Dec-1996	Pending
32	Digital Clock Recovery Circuit with Phase Interpolation	08/927,947	11-Sep-1997	Pending
31	High Speed Clock Recovery Circuit Using Complimentary Dividers	08/667,150	20-Jun-1996	Pending
30	Decision Based Time-Varying Equalizers	08/648,849	16-May-1996	Pending
29	Meta Hardened Flip-Flop	08/671,862	28-Jun-1996	Pending
28	A Head Disk Assembly Bracket	08/667,049	20-Jun-1996	Pending
27	A Support for Direct Connect Disk Drives	08/721,078	26-Sep-1996	Pending
26	Method for Fabricating a Low Trigger Voltage Silicon Controlled Rectifier and Thick Field Device	08/651,018	21-May-1996	Pending
25	Infinite Hold Time/Phase Range PLL	08/878,160	18-Jun-1997	Pending
24	Reduced Skew Differential Receiver	08/671,850	28-Jun-1996	Pending
24	Coordinate Based Data Input System	08/828,608	31-Mar-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
(2470)	Standardized Gas Isolation Box (GIB) Installation	08/923,676	04-Sep-1997	Pending
(2471)	A Method for Tungsten Nucleation from WF6 Using Titanium as a Reducing Agent	08/773,471	23-Dec-1996	Pending
(2472)	Linearization Method and Apparatus for Voltage Controlled Oscillator	08/625,452	29-Mar-1996	Pending
(2473)	Fully Digital Clock Synthesizer	08/825,082	27-Mar-1997	Pending
(2474)	An Automated Write Data Transfer with Optional Skip	08/724,522	30-Sep-1996	Pending
(2475)	System Power Management Based Upon Usage	08/902,146	29-Jul-1997	Pending
(2476)	Method and Apparatus for Terminating a Bus	08/829,409	31-Mar-1997	Pending
(2477)	Device and Method for Storing Data on a Hard Disk	08/843,419	15-Apr-1997	Pending
(2478)	Auto-Termination Method and Apparatus for Use with Either Active High or Active Low Terminators	08/884,233	27-Jun-1997	Pending
	Method and Apparatus for Providing Centralized Intelligent Cache Between Multiple Data Controlling Elements		30-Sep-1997	Pending

<u>CountryName</u>	<u>Title</u>	<u>Application Number</u>	<u>Filing Date</u>	<u>Status</u>
375	Use of MeV Implantation to Form a Vertically Modulated n+ Buried Layer in an NPN Bipolar Transistor	08/801,668	18-Feb-1997	Pending
376	Variable Step Height Control of Lithographic Patterning Through Transmitted Light Intensity Variation	08/763,373	13-Dec-1996	Pending
377	Compact Ventilation Unit for Electronic Apparatus	08/770,890	20-Dec-1996	Pending
378	On/Off Control for a Balanced Differential Current Mode Driver	08/764,547	11-Dec-1996	Pending
379	Method and Structure for Independent Disk and Host Transfers in a Storage Subsystem Target Device	08/719,830	30-Sep-1996	Pending
380	Apparatus and Methods for Providing Robust Powering	08/766,920	13-Dec-1996	Pending

12-02-1998

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Patent and Trademark Office

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To the Honorable Commissioner

100842054

Check original documents or copy thereof.

1. Name of conveying party(ies): Hyundai Electronics America

- Individual(s) Association
- General Partnership Limited Partnership
- Corporation-State (CA Corporation)
- Other _____

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

2. Name and address of receiving party(ies):

Name: Lehman Commercial Paper Inc., as Administrative Agent

Internal Address: _____

Street Address: 3 World Financial Center, 200 Vesey Street

City New York State: New York ZIP: 10285

- Individual(s) citizenship _____
- Association _____
- General Partnership _____
- Limited Partnership _____
- Corporation-State Delaware corporation
- Other _____

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No

(Designation must be a separate document from Assignment)

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

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

Execution Date: February 26, 1998

4. Application number(s) or registration number(s):

A. Trademark Application No.(s) See attached Schedule 6

B. Trademark Registration No.(s) See attached Schedule 6

Additional numbers attached? Yes No

TM

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

Name: Raymond M. Maiello, Esq.

Internal Address: Simpson Thacher & Bartlett

Street Address: 425 Lexington Avenue

City: New York State: New York ZIP: 10017

6. Total number of applications and registrations involved: 20

7. Total fee (37 CFR 3.41): _____ \$515

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: _____

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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.

Raymond M. Maiello, Esq.
Name of Person Signing

[Signature]
Signature

5/7/98
Date

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CONTINUATION OF ITEM ONE FROM RECORDATION COVER SHEET

1. Name of conveying party(ies):

SYMBIOS, INC. (DE Corporation)

Symbios Logic Domestic Trademarks (Granted & Pending)

29-Oct-97

<u>Trademark</u>	<u>Class</u>	<u>Appl./Reg. Date</u>	<u>Appl./Reg. No.</u>	<u>Status</u>
Symbios Logic-All IC's	09, 16	07/08/97	2,076,816	Registered
Ethercore	09	07/09/92	1,692,502	Registered
Putting the Pieces Together	09	09/10/92	1,822,416	Registered
TolerANT	09	12/14/93	1,810,545	Registered
Symbios Logic	09	03/13/95	2,122,020	Registered
Symbios Logic & Design	09	03/13/95	2,122,019	Registered
Metastor	09	03/13/95	2,146,596	Registered
SYM	09, 16	07/03/96	75-129,766	Pending
Writetouch	09	09/01/95	2,122,739	Registered
Dolphins on Board	09	12/04/96	75-207,770	Pending
SYMplicity	09	07/25/96	75-139,935	Pending
SYMCORE	09, 42	03/08/96	2,107,843	Registered
The Storage Connection	09, 16	02/06/96	75-054,724	Pending
Design-Five Circles (Simplicity)	09	07/25/96	75-139,928	Pending
JetWorks	09, 16	06/28/96	2,139,661	Registered
Symbios.Com	42	06/28/96	75-127,269	Pending
Allies Program	09	07/18/96	75-136,087	Pending
Symbios	09	11/01/96	75-192,848	Pending
SYMstor	09	12/17/96	75-214,777	Pending
Dolphin Design	09	03/14/95	2,127,569	Registered

Symbios Logic Inc. Confidential

PATENT
REEL: 9396 FRAME: 0485

Symbios Logic Inc. Common Law Trademarks

29-Oct-97

Common Law Mark

Design Advisor
DesignEdit
Designeditor
DesignSim
Design Synthesis
DesignTest
Fast Analog
FabSmarts
HART
Hot Swap
IOComp
LANCore
NASM
Netcheck
Netchecker
NVISION
Powercalc
RDAC
RAID Manager
SCRIPTS
SDMS
TreeSyn
True Speed Graphics
ViComp
ViGen

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1

Common Law Mark

ViStrobe

ViTa

VGX1500

VGX700

VS1500F

VS700

VS700H

VS500

VS350

ViPac

It's Who we are. It's How we think.

LVD Link



PATENT
REEL: 9396 FRAME: 0488

Symbios Logic Foreign Trademarks (Granted & Pending)

29-Oct-97

Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Australia	Dolphin Design	669,280	8/10/95	669,280	8/10/95	Issued
	Metastor	670,723	8/25/95	670723	8/25/95	Issued
	Symbios Logic	669,279	8/10/95	669280	8/10/95	Issued
Austria	Dolphin Design	166,836	10/22/96	AM 4228/96	8/2/96	Issued
	Metastor	170,918	8/5/97	AM 6353/98	11/28/98	Issued
	Symbios Logic	166,727	10/15/96	AM 4228/96	8/2/96	Issued
	Tolerant	150,216	12/15/93			Issued
Benelux	Tolerant	533,812	2/1/94			Issued
Brazil	Tolerant	817692673	2/4/94		2/4/94	Issued
	Design - Five Circles			834,549	1/24/97	Pending
Canada	Dolphin Design	TMA 469,746	1/27/97	769675	8/9/95	Issued
	Metastor			792464	9/14/95	Pending

Symbios Logic inc. Confidential

Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status	
China	Symbios Logic			788674	8/9/95	Pending	
	SYMplicity			834,548	1/24/97	Pending	
	Tolerant	429,177	6/17/94			Issued	
	Design - Five Circles			970008342	1/27/97	Pending	
	Dolphin Design	998324	5/7/97	950115748	9/11/95	Issued	
	Dolphin Design	988003	4/21/97	950115747	9/11/95	Issued	
	Metastor	998325	5/7/97	950115476	9/11/95	Issued	
	Metastor	988002	4/21/97	950115745	9/11/95	Issued	
	Symbios Logic	998313	5/7/97	950115750	9/11/95	Issued	
	Symbios Logic	988004	4/21/97	950115749	9/11/95	Issued	
	SYMplicity			970006341	1/27/97	Pending	
	Community	Design - Five Circles			000440313	1/24/97	Pending
		Dolphin Design			000418875	12/5/96	Pending
JetWorks				000413631	12/17/96	Pending	
Metastor				000418715	12/5/96	Pending	
Symbios				000417097	12/5/96	Pending	
Symbios Logic				000416727	12/5/96	Pending	

Symbios Logic Inc. Confidential

Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Cyprus	SYMCore			360081	10/23/96	Pending
	SYMplicity			000440131	1/23/97	Pending
	SYMstor			000566182	6/13/97	Pending
Denmark	Dolphin Design		7/23/97			Pending
	Metastor		7/23/97			Pending
	Symbios Logic		7/23/97			Pending
Finland	Dolphin Design	00798/1997	2/21/97	06423/1996	11/28/96	issued
	Metastor	00799/1997	2/21/97	06424/1996	11/28/96	issued
	Symbios Logic	00282/1997	1/24/97	06422/1996	11/28/96	issued
France	Dolphin Design	200800	6/14/96	5231/95	9/13/95	issued
	Metastor	200801	6/14/96	5232/95	9/13/95	issued
	Symbios Logic	2011874	9/30/96	5230/95	9/13/95	issued
France	Dolphin Design	95/584238	8/9/95	95/584238	8/9/95	issued
	Metastor	95/585746	8/25/95	95/585746	8/25/95	issued
	Symbios Logic	95/584239	8/9/95	95/584239	8/9/95	issued

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Germany	Tolerant	93/460,267	3/19/93			Issued
	Dolphin Design	395 32 791	7/30/96	395 32 791.1	8/10/95	Issued
	Metastor	395 35 151	10/25/96	395 35 151.0	8/18/95	Issued
	Symbios Logic	395 32 790	7/30/96	395 32 790.3	9/8/95	Issued
	Tolerant	2.079,210	8/27/94			Issued
Hong Kong	Dolphin Design			11061	9/5/95	Pending
	Dolphin Design			959959	8/11/95	Pending
	Metastor	04609 of 1987	3/13/95	9511064	9/5/95	Issued
	Metastor	04608 of 1987	9/5/95	9511063	9/5/95	Issued
	Symbios Logic	04607 of 1987	9/5/95	9511062	9/5/95	Issued
India	Symbios Logic	02317 of 1987	3/14/95	9509959	8/11/95	Issued
	Tolerant	2570/95	3/30/95	5386/93	5/31/93	Issued
	Dolphin Design			676045	8/8/95	Pending
	Metastor			677997	8/25/95	Pending
	Symbios Logic			678044	8/8/95	Pending

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Indonesia	Dolphin Design			D97 17600	8/21/97	Pending
	Metastor			D97 17598	8/21/97	Pending
	Symbios Logic			D97 17599	8/21/97	Pending
Ireland	Dolphin Design			96/0661	2/1/98	Pending
	Dolphin Design			95/5427	8/8/95	Pending
	Metastor			96/0662	2/1/98	Pending
	Metastor			95/5924	8/28/95	Pending
	Symbios Logic			96/0660	2/1/98	Pending
	Symbios Logic			95/5426	8/8/95	Pending
Israel	Dolphin Design			109983	2/23/97	Pending
	Dolphin Design			109057	12/9/96	Pending
	Metastor			104995	5/3/96	Pending
	Metastor			110797	3/3/97	Pending
	Symbios Logic			109982	2/23/97	Pending
	Symbios Logic			109056	12/9/96	Pending

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Italy	Dolphin Design			MI95C 008806	9/8/95	Pending
	Metastor			MI95C 008807	9/8/95	Pending
	Symbios Logic			MI95C 008805	9/8/95	Pending
	Tolerant	669479	2/6/96			Issued
Japan	Design - Five Circles			6073/97	1/27/97	Pending
	Dolphin Design			94765/95	9/13/95	Pending
	Dolphin Design			94768/95	9/13/95	Pending
	JetWorks			4018/97	1/17/97	Pending
	JetWorks			4017/97	1/17/97	Pending
	Metastor			94768/95	9/13/95	Pending
	Metastor	4019976		94767/95	9/13/95	Issued
	Symbios Logic			94764/95	9/13/95	Pending
	Symbios Logic	4019975		94763/95	9/13/95	Issued
	SYMplicity			6072/97	1/27/97	Pending
	SYMstor				6/17/97	Pending
Korea	SYMstor			27756/1997	6/17/97	Pending

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Malaysia	Dolphin Design			MA/8813/95	8/26/95	Pending
	Metastor			MA/8811/95	8/26/95	Pending
	Symbios Logic			MA/8812/95	8/26/95	Pending
	Tolerant	MA/3492/93	5/18/93			Issued
Mexico	Design - Five Circles			285087	1/24/97	Pending
	Dolphin Design	508468	8/25/95	241321	8/25/95	Issued
	Metastor	509,027	8/25/95	241322	8/25/95	Issued
	Symbios Logic	509,028	8/25/95	241320	8/25/95	Issued
	SYmplicity			285081	1/24/97	Pending
New Zealand	Dolphin Design			252012	8/7/95	Pending
	Metastor	252,849	3/13/95	252849	8/25/95	Issued
	Symbios Logic	252,011	8/7/95	252011	8/7/95	Issued
Norway	Design - Five Circles			970836	1/24/97	Pending
	Dolphin Design	177824	11/7/96	95.5054	8/14/95	Issued
	Metastor	180707	3/20/97	95.5259	8/25/95	Issued

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Pakistan	Symbios Logic	177823	11/7/96	95-5093	8/14/95	Issued
	SYMCore			966684	10/29/96	Pending
	SYMplicity			970635	1/24/97	Pending
	Tolerant	163,464	6/30/94			Issued
Philippines	Dolphin Design				9/18/97	Pending
	Metastor				9/18/97	Pending
	Symbios Logic				9/18/97	Pending
Poland	Metastor				9/25/97	Pending
	Miscellaneous Design				9/25/97	Pending
	Symbios Logic				9/25/97	Pending
Singapore	Dolphin Design			Z-167 561	12/10/96	Pending
	Metastor			Z-167 560	12/10/96	Pending
	Symbios Logic			Z-167 559	12/10/96	Pending
	Dolphin Design	7206/95	3/14/95	7206/95	8/4/95	Issued
	Metastor			8032/95	8/24/95	Pending

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
South Africa	Symbios Logic			7205/95	8/4/95	Pending
	Tolerant	S/3643/93	5/17/93			Pending
South Korea	Dolphin Design			09616990	11/28/96	Pending
	Metastor			09616991	11/28/96	Pending
	Symbios Logic			09616989	11/28/96	Pending
Spain	Design - Five Circles			97-3140	1/24/97	Pending
	Dolphin Design	374,275	9/9/97	95-30449	8/7/95	Issued
	Metastor	372,830	8/21/97	95-34222	9/8/95	Issued
	Symbios Logic	374,274	9/9/97	95-30448	8/7/95	Issued
	SYMPLICITY			97-3139	1/24/97	Pending
	Dolphin Design	1981876	8/18/95	1981876	8/18/95	Issued
Sri Lanka	Metastor	1984417	9/8/95	1984417	9/8/95	Issued
	Symbios Logic	198175	8/18/95	1981875	8/18/95	Issued
	Dolphin Design					Pending
	Metastor					Pending

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Sweden	Symbios Logic					Pending
	Design - Five Circles			97-00838	1/24/97	Pending
	Dolphin Design	312,232	4/28/96	95-08806	8/7/95	Issued
	Metastor			95-10590	9/19/95	Pending
	Symbios Logic	314,192	6/14/96	95-08959	8/10/95	Issued
	SYMPlicity			97-07368	8/19/97	Pending
	Tolerant	257,166	4/8/94			Issued
Switzerland	Design - Five Circles	443,936	8/19/97	00590/1997	1/27/97	Issued
	Dolphin Design	437,827	8/11/95	9668/1995.9	8/11/95	Issued
	Metastor	437,287	8/29/95	10034/1995.0	8/28/95	Issued
	Symbios Logic	437,804	8/11/95	9667/1995.0	8/11/95	Issued
	SYMCore	439,105	10/24/96	07834/1996	10/24/96	Issued
	SYMPlicity			00591/1997	1/27/97	Pending
	Dolphin Design	733,952	11/1/96	84044608	9/1/95	Issued
Taiwan	Dolphin Design	737,775	12/1/96	84044607	9/1/95	Issued
	Metastor	749,306	2/16/97	84055634	11/8/95	Issued

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Thailand	Metastor	733,951	11/1/96	84044608	9/1/95	Issued
	Symbios Logic			84044610	9/1/95	Pending
	Symbios Logic	734,447	11/1/96	84044609	9/1/95	Issued
	Tolerant	631,361	3/1/94			Issued
Turkey	Dolphin Design	Kor52635	10/27/95	298323	10/27/95	Issued
	Dolphin Design	Kor48825	10/27/95	298322	10/27/95	Issued
	Metastor	Kor49208	10/27/95	298321	10/27/95	Issued
	Metastor			298320	10/27/95	Pending
	Symbios Logic	Kor47352	10/30/95	298439	10/30/95	Issued
	Symbios Logic	Kor54617	10/30/95	298440	10/30/95	Issued
United Kingdom	Dolphin Design					Pending
	Metastor					Pending
	Symbios Logic					Pending
	Dolphin Design			2030619	8/17/95	Pending
	Metastor	2031627	8/25/95	2030619	8/17/95	Issued
	Symbios Logic	2030617	8/17/95	2030619	8/17/95	Issued

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Country	Trademark	Registration Number	Registration Date	Application Number	Application Date	Status
Venezuela	Tolerant	1,537,139	5/29/93			Issued
	Dolphin Design			019541	9/29/97	Pending
	Metastor			019540	9/29/97	Pending
	Symbios Logic			019539	9/29/97	Pending
Vietnam	Dolphin Design			N-3054/97	8/8/97	Pending
	Metastor			N-3053/97	8/8/97	Pending
	Symbios Logic			N-3052/97	8/8/97	Pending

GUARANTEE AND COLLATERAL AGREEMENT

made by

HYUNDAI ELECTRONICS AMERICA,

SYMBIOS, INC.

and certain of its Subsidiaries

in favor of

LEHMAN COMMERCIAL PAPER INC.,
as Administrative Agent

Dated as of February 26, 1998

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PATENT
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GUARANTEE AND COLLATERAL AGREEMENT

GUARANTEE AND COLLATERAL AGREEMENT, dated as of February 26 1998, made by each of the signatories hereto (together with any other entity that may become a party hereto as provided herein, the "Grantors"), in favor of LEHMAN COMMERCIAL PAPER INC., as Administrative Agent (in such capacity, the "Administrative Agent") for the banks and other financial institutions (the "Lenders") from time to time parties to the Credit Agreement, dated as of February 26 1998 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement"), among Symbios, Inc. (the "Borrower"), the Lenders and the Administrative Agent.

W I T N E S S E T H:

WHEREAS, pursuant to the Credit Agreement, the Lenders have severally agreed to make extensions of credit to the Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, the Borrower is a member of an affiliated group of companies that includes each other Grantor;

WHEREAS, the proceeds of the extensions of credit under the Credit Agreement will be used in part to enable the Borrower to make valuable transfers to one or more of the other Grantors in connection with the operation of their respective businesses; and

WHEREAS, it is a condition precedent to the obligation of the Lenders to make their respective extensions of credit to the Borrower under the Credit Agreement that the Grantors shall have executed and delivered this Agreement to the Administrative Agent for the ratable benefit of the Lenders;

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent and the Lenders to enter into the Credit Agreement and to induce the Lenders to make their respective extensions of credit to the Borrower thereunder, each Grantor hereby agrees with the Administrative Agent, for the ratable benefit of the Lenders, as follows:

SECTION 1. DEFINED TERMS

1.1 Definitions. (a) Unless otherwise defined herein, terms defined in the Credit Agreement and used herein shall have the meanings given to them in the Credit Agreement, and the following terms which are defined in the Uniform Commercial Code in effect in the State of New York on the date hereof are used herein as so defined: Accounts, Chattel Paper, Documents, Equipment, Farm Products, Instruments and Inventory.

(b) The following terms shall have the following meanings:

"Agreement": this Guarantee and Collateral Agreement, as the same may be amended, supplemented or otherwise modified from time to time.

"Borrower Obligations": the collective reference to the unpaid principal of and interest on the Loans and all other obligations and liabilities of the Borrower (including, without limitation, interest accruing at the then applicable rate provided in the Credit Agreement after the maturity of the Loans and interest accruing at the then applicable rate provided in the Credit Agreement after the filing of any petition in bankruptcy, or the commencement of any insolvency, reorganization or like proceeding, relating to the Borrower, whether or not a claim for post-filing or post-petition interest is allowed in such proceeding) to the Administrative Agent or any Lender (or, in the case of any Lender Hedge Agreement, any Affiliate of any Lender), whether direct or indirect, absolute or contingent, due or to become due, or now existing or hereafter incurred, which may arise under, out of, or in connection with, the Credit Agreement, this Agreement, the other Loan Documents, any Lender Hedge Agreement or any other document made, delivered or given in connection with any of the foregoing, in each case whether on account of principal, interest, reimbursement obligations, fees, indemnities, costs, expenses or otherwise (including, without limitation, all fees and disbursements of counsel to the Administrative Agent or to the Lenders that are required to be paid by the Borrower pursuant to the terms of any of the foregoing agreements).

"Collateral": as defined in Section 3.

"Collateral Account": any collateral account established by the Administrative Agent as provided in Section 6.1 or 6.4.

"Copyrights": (i) all copyrights arising under the laws of the United States, any other country or any political subdivision thereof, whether registered or unregistered and whether published or unpublished (including, without limitation, those listed in Schedule 6), all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, all registrations, recordings and applications in the United States Copyright Office, and (ii) the right to obtain all renewals thereof.

"Copyright Licenses": any written agreement naming any Grantor as licensor or licensee (including, without limitation, those listed in Schedule 6), granting any right under any Copyright, including, without limitation, the grant of rights to manufacture, distribute, exploit and sell materials derived from any Copyright.

"General Intangibles": all "general intangibles" as such term is defined in Section 9-106 of the Uniform Commercial Code in effect in the State of New York on the date hereof and, in any event, including, without limitation, with respect to any Grantor, all contracts, agreements, instruments and indentures in any form, and portions thereof, to which such Grantor is a party or under which such Grantor has

any right, title or interest or to which such Grantor or any property of such Grantor is subject, as the same may from time to time be amended, supplemented or otherwise modified, including, without limitation, (i) all rights of such Grantor to receive moneys due and to become due to it thereunder or in connection therewith, (ii) all rights of such Grantor to damages arising thereunder and (iii) all rights of such Grantor to perform and to exercise all remedies thereunder, in each case to the extent the grant by such Grantor of a security interest pursuant to this Agreement in its right, title and interest in such contract, agreement, instrument or indenture is not prohibited by such contract, agreement, instrument or indenture without the consent of any other party thereto, would not give any other party to such contract, agreement, instrument or indenture the right to terminate its obligations thereunder, or is permitted with consent if all necessary consents to such grant of a security interest have been obtained from the other parties thereto (it being understood that the foregoing shall not be deemed to obligate such Grantor to obtain such consents); provided, that the foregoing limitation shall not affect, limit, restrict or impair the grant by such Grantor of a security interest pursuant to this Agreement in any Receivable or any money or other amounts due or to become due under any such contract, agreement, instrument or indenture.

"Guarantor Obligations": with respect to any Guarantor, all obligations and liabilities of such Guarantor which may arise under or in connection with this Agreement (including, without limitation, Section 2) or any other Loan Document to which such Guarantor is a party, in each case whether on account of guarantee obligations, reimbursement obligations, fees, indemnities, costs, expenses or otherwise (including, without limitation, all fees and disbursements of counsel to the Administrative Agent or to the Lenders that are required to be paid by such Guarantor pursuant to the terms of this Agreement or any other Loan Document).

"Guarantors": the collective reference to each Grantor other than the Borrower.

"Holdings": Hyundai Electronics America, a California corporation, which is the owner of 100% of the Capital Stock of the Borrower.

"Intellectual Property": the collective reference to all rights, priorities and privileges relating to intellectual property, whether arising under United States, multinational or foreign laws or otherwise, including, without limitation, the Copyrights, the Copyright Licenses, the Patents, the Patent Licenses, the Trademarks and the Trademark Licenses, and all rights to sue at law or in equity for any infringement or other impairment thereof, including the right to receive all proceeds and damages therefrom.

"Intercompany Note": any promissory note evidencing loans made by the Borrower or any Subsidiary Guarantor to Holdings or any of its Subsidiaries.

"Investment Property": the collective reference to (i) all "investment property" as such term is defined in Section 9-115 of the Uniform Commercial Code in effect in

the State of New York on the date hereof and (ii) whether or not constituting "investment property" as so defined, all Pledged Securities.

"Issuers": the collective reference to each issuer of a Pledged Security.

"Lender Hedge Agreements": all interest rate swaps, caps or collar agreements or similar arrangements entered into by the Borrower with any Lender (or any Affiliate of any Lender) providing for protection against fluctuations in interest rates or currency exchange rates or the exchange of nominal interest obligations, either generally or under specific contingencies.

"New York UCC": the Uniform Commercial Code as from time to time in effect in the State of New York.

"Obligations": (i) in the case of the Borrower, the Borrower Obligations, and (ii) in the case of each Guarantor, its Guarantor Obligations.

"Patents": (i) all letters patent of the United States, any other country or any political subdivision thereof, all reissues and extensions thereof and all goodwill associated therewith, including, without limitation, any of the foregoing referred to in Schedule 6, (ii) all applications for letters patent of the United States or any other country and all divisions, continuations and continuations-in-part thereof, including, without limitation, any of the foregoing referred to in Schedule 6, and (iii) all rights to obtain any reissues or extensions of the foregoing.

"Patent License": all agreements, whether written or oral, providing for the grant by or to any Grantor of any right to manufacture, use or sell any invention covered in whole or in part by a Patent, including, without limitation, any of the foregoing referred to in Schedule 6.

"Pledged Notes": all promissory notes listed on Schedule 2, all Intercompany Notes at any time issued to any Grantor and all other promissory notes issued to or held by any Grantor (other than promissory notes issued in connection with extensions of trade credit by any Grantor in the ordinary course of business).

"Pledged Securities": the collective reference to the Pledged Notes and the Pledged Stock.

"Pledged Stock": the shares of Capital Stock listed on Schedule 2, together with any other shares, stock certificates, options or rights of any nature whatsoever in respect of the Capital Stock of any Person that may be issued or granted to, or held by, any Grantor while this Agreement is in effect.

"Proceeds": all "proceeds" as such term is defined in Section 9-306(1) of the Uniform Commercial Code in effect in the State of New York on the date hereof and,

in any event, shall include, without limitation, all dividends or other income from the Pledged Securities, collections thereon or distributions or payments with respect thereto.

"Receivable": any right to payment for goods sold or leased or for services rendered, whether or not such right is evidenced by an Instrument or Chattel Paper and whether or not it has been earned by performance (including, without limitation, any Account).

"Securities Act": the Securities Act of 1933, as amended.

"Trademarks": (i) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos and other source or business identifiers, and all goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith, whether in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, or otherwise, and all common-law rights related thereto, including, without limitation, any of the foregoing referred to in Schedule 6, and (ii) the right to obtain all renewals thereof.

"Trademark License": any agreement, whether written or oral, providing for the grant by or to any Grantor of any right to use any Trademark, including, without limitation, any of the foregoing referred to in Schedule 6.

1.2 **Other Definitional Provisions.** (a) The words "hereof," "herein", "hereto" and "hereunder" and words of similar import when used in this Agreement shall refer to this Agreement as a whole and not to any particular provision of this Agreement, and Section and Schedule references are to this Agreement unless otherwise specified.

(b) The meanings given to terms defined herein shall be equally applicable to both the singular and plural forms of such terms.

(c) Where the context requires, terms relating to the Collateral or any part thereof, when used in relation to a Grantor, shall refer to such Grantor's Collateral or the relevant part thereof.

SECTION 2. GUARANTEE

2.1 **Guarantee.** (a) Each of the Guarantors hereby, jointly and severally, unconditionally and irrevocably, guarantees to the Administrative Agent, for the ratable benefit of the Lenders and their respective successors, indorsees, transferees and assigns, the prompt and complete payment and performance by the Borrower when due (whether at the stated maturity, by acceleration or otherwise) of the Borrower Obligations.

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(b) Anything herein or in any other Loan Document to the contrary notwithstanding, the maximum liability of each Guarantor hereunder and under the other Loan Documents shall in no event exceed the amount which can be guaranteed by such Guarantor under applicable federal and state laws relating to the insolvency of debtors (after giving effect to the right of contribution established in Section 2.2).

(c) Each Guarantor agrees that the Borrower Obligations may at any time and from time to time exceed the amount of the liability of such Guarantor hereunder without impairing the guarantee contained in this Section 2 or affecting the rights and remedies of the Administrative Agent or any Lender hereunder.

(d) The guarantee contained in this Section 2 shall remain in full force and effect until all the Borrower Obligations and the obligations of each Guarantor under the guarantee contained in this Section 2 shall have been satisfied by payment in full and the Commitments shall be terminated, notwithstanding that from time to time during the term of the Credit Agreement the Borrower may be free from any Borrower Obligations.

(e) No payment made by the Borrower, any of the Guarantors, any other guarantor or any other Person or received or collected by the Administrative Agent or any Lender from the Borrower, any of the Guarantors, any other guarantor or any other Person by virtue of any action or proceeding or any set-off or appropriation or application at any time or from time to time in reduction of or in payment of the Borrower Obligations shall be deemed to modify, reduce, release or otherwise affect the liability of any Guarantor hereunder which shall, notwithstanding any such payment (other than any payment made by such Guarantor in respect of the Borrower Obligations or any payment received or collected from such Guarantor in respect of the Borrower Obligations), remain liable for the Borrower Obligations up to the maximum liability of such Guarantor hereunder until the Borrower Obligations are paid in full and the Commitments are terminated.

2.2 Right of Contribution. Each Subsidiary Guarantor hereby agrees that to the extent that a Subsidiary Guarantor shall have paid more than its proportionate share of any payment made hereunder, such Subsidiary Guarantor shall be entitled to seek and receive contribution from and against any other Subsidiary Guarantor hereunder which has not paid its proportionate share of such payment. Each Subsidiary Guarantor's right of contribution shall be subject to the terms and conditions of Section 2.3. The provisions of this Section 2.2 shall in no respect limit the obligations and liabilities of any Subsidiary Guarantor to the Administrative Agent and the Lenders, and each Subsidiary Guarantor shall remain liable to the Administrative Agent and the Lenders for the full amount guaranteed by such Subsidiary Guarantor hereunder.

2.3 No Subrogation. Notwithstanding any payment made by any Guarantor hereunder or any set-off or application of funds of any Guarantor by the Administrative Agent or any Lender, no Guarantor shall be entitled to be subrogated to any of the rights of the Administrative Agent or any Lender against the Borrower or any other Guarantor or any collateral security or guarantee or right of offset held by the Administrative Agent or any

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Lender for the payment of the Borrower Obligations, nor shall any Guarantor seek or be entitled to seek any contribution or reimbursement from the Borrower or any other Guarantor in respect of payments made by such Guarantor hereunder, until all amounts owing to the Administrative Agent and the Lenders by the Borrower on account of the Borrower Obligations are paid in full and the Commitments are terminated. If any amount shall be paid to any Guarantor on account of such subrogation rights at any time when all of the Borrower Obligations shall not have been paid in full, such amount shall be held by such Guarantor in trust for the Administrative Agent and the Lenders, segregated from other funds of such Guarantor, and shall, forthwith upon receipt by such Guarantor, be turned over to the Administrative Agent in the exact form received by such Guarantor (duly indorsed by such Guarantor to the Administrative Agent, if required), to be applied against the Borrower Obligations, whether matured or unmatured, in such order as the Administrative Agent may determine.

2.4 Amendments, etc. with respect to the Borrower Obligations. Each Guarantor shall remain obligated hereunder notwithstanding that, without any reservation of rights against any Guarantor and without notice to or further assent by any Guarantor, any demand for payment of any of the Borrower Obligations made by the Administrative Agent or any Lender may be rescinded by the Administrative Agent or such Lender and any of the Borrower Obligations continued, and the Borrower Obligations, or the liability of any other Person upon or for any part thereof, or any collateral security or guarantee therefor or right of offset with respect thereto, may, from time to time, in whole or in part, be renewed, extended, amended, modified, accelerated, compromised, waived, surrendered or released by the Administrative Agent or any Lender, and the Credit Agreement and the other Loan Documents and any other documents executed and delivered in connection therewith may be amended, modified, supplemented or terminated, in whole or in part, as the Administrative Agent (or the Required Lenders or all Lenders, as the case may be) may deem advisable from time to time, and any collateral security, guarantee or right of offset at any time held by the Administrative Agent or any Lender for the payment of the Borrower Obligations may be sold, exchanged, waived, surrendered or released. Neither the Administrative Agent nor any Lender shall have any obligation to protect, secure, perfect or insure any Lien at any time held by it as security for the Borrower Obligations or for the guarantee contained in this Section 2 or any property subject thereto.

2.5 Guarantee Absolute and Unconditional. Each Guarantor waives any and all notice of the creation, renewal, extension or accrual of any of the Borrower Obligations and notice of or proof of reliance by the Administrative Agent or any Lender upon the guarantee contained in this Section 2 or acceptance of the guarantee contained in this Section 2; the Borrower Obligations, and any of them, shall conclusively be deemed to have been created, contracted or incurred, or renewed, extended, amended or waived, in reliance upon the guarantee contained in this Section 2; and all dealings between the Borrower and any of the Guarantors, on the one hand, and the Administrative Agent and the Lenders, on the other hand, likewise shall be conclusively presumed to have been had or consummated in reliance upon the guarantee contained in this Section 2. Each Guarantor waives diligence, presentment, protest, demand for payment and notice of default or nonpayment to or upon the

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Borrower or any of the Guarantors with respect to the Borrower Obligations. Each Guarantor understands and agrees that the guarantee contained in this Section 2 shall be construed as a continuing, absolute and unconditional guarantee of payment without regard to (a) the validity or enforceability of the Credit Agreement or any other Loan Document, any of the Borrower Obligations or any other collateral security therefor or guarantee or right of offset with respect thereto at any time or from time to time held by the Administrative Agent or any Lender, (b) any defense, set-off or counterclaim (other than a defense of payment or performance) which may at any time be available to or be asserted by the Borrower or any other Person against the Administrative Agent or any Lender, or (c) any other circumstance whatsoever (with or without notice to or knowledge of the Borrower or such Guarantor) which constitutes, or might be construed to constitute, an equitable or legal discharge of the Borrower for the Borrower Obligations, or of such Guarantor under the guarantee contained in this Section 2, in bankruptcy or in any other instance. When making any demand hereunder or otherwise pursuing its rights and remedies hereunder against any Guarantor, the Administrative Agent or any Lender may, but shall be under no obligation to, make a similar demand on or otherwise pursue such rights and remedies as it may have against the Borrower, any other Guarantor or any other Person or against any collateral security or guarantee for the Borrower Obligations or any right of offset with respect thereto, and any failure by the Administrative Agent or any Lender to make any such demand, to pursue such other rights or remedies or to collect any payments from the Borrower, any other Guarantor or any other Person or to realize upon any such collateral security or guarantee or to exercise any such right of offset, or any release of the Borrower, any other Guarantor or any other Person or any such collateral security, guarantee or right of offset, shall not relieve any Guarantor of any obligation or liability hereunder, and shall not impair or affect the rights and remedies, whether express, implied or available as a matter of law, of the Administrative Agent or any Lender against any Guarantor. For the purposes hereof "demand" shall include the commencement and continuance of any legal proceedings.

2.6 Reinstatement. The guarantee contained in this Section 2 shall continue to be effective, or be reinstated, as the case may be, if at any time payment, or any part thereof, of any of the Borrower Obligations is rescinded or must otherwise be restored or returned by the Administrative Agent or any Lender upon the insolvency, bankruptcy, dissolution, liquidation or reorganization of the Borrower or any Guarantor, or upon or as a result of the appointment of a receiver, intervenor or conservator of, or trustee or similar officer for, the Borrower or any Guarantor or any substantial part of its property, or otherwise, all as though such payments had not been made.

2.7 Payments. Each Guarantor hereby guarantees that payments hereunder will be paid to the Administrative Agent without set-off or counterclaim in Dollars at the office of the Administrative Agent located at the Payment Office specified pursuant to the Credit Agreement.

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SECTION 3. GRANT OF SECURITY INTEREST

Each Grantor (other than Holdings) hereby assigns and transfers to the Administrative Agent, and hereby grants to the Administrative Agent, for the ratable benefit of the Lenders, a security interest in, all of the following property now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest (collectively with the Holdings Collateral (as defined below), the "Collateral"), as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of such Grantor's Obligations:

- (a) all Accounts;
- (b) all Chattel Paper;
- (c) all Documents;
- (d) all Equipment;
- (e) all General Intangibles;
- (f) all Instruments;
- (g) all Intellectual Property;
- (h) all Inventory;
- (i) all Investment Property;
- (j) all deposit and other bank accounts and all deposits therein;
- (k) all other property not otherwise described above;
- (l) all books and records pertaining to the Collateral; and
- (m) to the extent not otherwise included, all Proceeds and products of any and all of the foregoing and all collateral security and guarantees given by any Person with respect to any of the foregoing;

provided, that so long as the Indebtedness in respect thereof shall remain outstanding, the Collateral shall not include the property described on Schedule 6.2(c) of the Credit Agreement.

Holdings hereby assigns and transfers to the Administrative Agent, and hereby grants to the Administrative Agent, for the ratable benefit of the Lenders, a security interest in

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all Capital Stock of the Borrower now owned or at any time hereafter acquired by Holdings or in which Holdings now has or at any time in the future may acquire any right, title or interest, and all Proceeds thereof (the "Holdings Collateral"), as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Guarantor Obligations of Holdings. References in provisions of this Agreement to a "Grantor" or the "Grantors" shall include Holdings only to the extent such provisions are relevant to the Holdings Collateral and only in Holdings' capacity as a Grantor with respect to the Holdings Collateral.

SECTION 4. REPRESENTATIONS AND WARRANTIES

To induce the Administrative Agent and the Lenders to enter into the Credit Agreement and to induce the Lenders to make their respective extensions of credit to the Borrower thereunder, each Grantor, with respect to itself and its Collateral, hereby represents and warrants to the Administrative Agent and each Lender that:

4.1 Representations in Credit Agreement. In the case of each Guarantor, the representations and warranties set forth in Section 3 of the Credit Agreement as they relate to such Guarantor or to the Loan Documents to which such Guarantor is a party, each of which is hereby incorporated herein by reference, are true and correct, and the Administrative Agent and each Lender shall be entitled to rely on each of them as if they were fully set forth herein, provided that each reference in each such representation and warranty to the Borrower's knowledge shall, for the purposes of this Section, be deemed to be a reference to such Guarantor's knowledge.

4.2 Title; No Other Liens. Except for the security interest granted to the Administrative Agent for the ratable benefit of the Lenders pursuant to this Agreement and the other Liens permitted to exist on the Collateral by the Credit Agreement, such Grantor owns each item of the Collateral free and clear of any and all Liens of others. No financing statement or other public notice with respect to all or any part of the Collateral is on file or of record in any public office, except such as have been filed in favor of the Administrative Agent, for the ratable benefit of the Lenders, pursuant to this Agreement or as are permitted by the Credit Agreement.

4.3 Perfected First Priority Liens. The security interests granted pursuant to this Agreement (a) upon proper completion of the filings and other actions specified on Schedule 3 (which, in the case of all filings and other documents referred to on said Schedule, have been delivered to the Administrative Agent in completed and duly executed form) will constitute valid perfected security interests in all of the Collateral in favor of the Administrative Agent, for the ratable benefit of the Lenders, as collateral security for such Grantor's Obligations, enforceable in accordance with the terms hereof against all creditors of such Grantor and any Persons purporting to purchase any Collateral from such Grantor and (b) are prior to all other Liens on the Collateral in existence on the date hereof except for (i) unrecorded Liens permitted by the Credit Agreement which have priority over the Liens on

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the Collateral by operation of law and (ii) purchase money Liens permitted by the Credit Agreement.

4.4 Chief Executive Office. On the date hereof, such Grantor's jurisdiction of organization and the location of such Grantor's chief executive office or sole place of business are specified on Schedule 4.

4.5 Inventory and Equipment. On the date hereof, the Inventory and the Equipment (other than mobile goods) are kept at the locations listed on Schedule 5.

4.6 Farm Products. None of the Collateral constitutes, or is the Proceeds of, Farm Products.

4.7 Pledged Securities. (a) The shares of Pledged Stock pledged by such Grantor hereunder constitute all the issued and outstanding shares of all classes of the Capital Stock of each Issuer owned by such Grantor.

(b) All the shares of the Pledged Stock have been duly and validly issued and are fully paid and nonassessable.

(c) Each of the Pledged Notes constitutes the legal, valid and binding obligation of the obligor with respect thereto, enforceable in accordance with its terms, subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar laws relating to or affecting creditors' rights generally, general equitable principles (whether considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing.

(d) Such Grantor is the record and beneficial owner of, and has good and marketable title to, the Pledged Securities pledged by it hereunder, free of any and all Liens or options in favor of, or claims of, any other Person, except the security interest created by this Agreement.

4.8 Receivables. (a) No amount payable to such Grantor under or in connection with any material Receivable is evidenced by any Instrument or Chattel Paper which has not been delivered to the Administrative Agent.

(b) None of the obligors on any Receivables is a Governmental Authority.

(c) The amounts represented by such Grantor to the Lenders from time to time as owing to such Grantor in respect of the Receivables will at such times be materially correct.

4.9 Intellectual Property. (a) Schedule 6 lists all Copyrights, Copyright Licenses, Patents, Patent Licenses, Trademarks and Trademark Licenses owned by such Grantor in its own name on the date hereof.

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(b) On the date hereof, all material Intellectual Property is valid, subsisting, unexpired and enforceable, has not been abandoned and does not infringe in any material respect the intellectual property rights of any other Person.

(c) Except as set forth in Schedule 6, on the date hereof, none of the Intellectual Property is the subject of any licensing or franchise agreement pursuant to which such Grantor is the licensor or franchisor.

(d) No holding, decision or judgment has been rendered by any Governmental Authority which would limit, cancel or question the validity of, or such Grantor's rights in, any Intellectual Property in any respect that could reasonably be expected to have a Material Adverse Effect.

(e) No action or proceeding is pending, or, to the knowledge of such Grantor, threatened, on the date hereof (i) seeking to limit, cancel or question the validity of any Intellectual Property or such Grantor's ownership interest in any material Intellectual Property, or (ii) which, if adversely determined, would have a material adverse effect on the value of any material Intellectual Property.

4.10 Holdings Representations. In the case of Holdings:

(a) The audited consolidated balance sheets of Holdings as at December 31, 1996, and the related consolidated statement of income and of cash flows for the fiscal year ended on such date, reported on by and accompanied by an unqualified report from Coopers & Lybrand, present fairly the consolidated financial condition of Holdings as at such date, and the consolidated results of its operations and its consolidated cash flows for the fiscal year then ended. The unaudited consolidated balance sheet of Holdings as at September 30, 1997, and the related unaudited consolidated statements of income and cash flows for the nine-month period ended on such date, present fairly the consolidated financial condition of Holdings as at such date, and the consolidated results of its operations and its consolidated cash flows for the nine-month period then ended (subject to normal year-end audit adjustments). All such financial statements, including the related schedules and notes thereto, have been prepared in accordance with GAAP applied consistently throughout the periods involved (except as approved by the aforementioned firm of accountants and disclosed therein). Holdings and its Subsidiaries do not have any material Guarantee Obligations, contingent liabilities and liabilities for taxes, or any long-term leases or unusual forward or long-term commitments, including, without limitation, any interest rate or foreign currency swap or exchange transaction or other obligation in respect of derivatives, which are not reflected in the most recent financial statements referred to in this paragraph. During the period from December 31, 1996 to and including the date hereof there has been no Disposition by Holdings of any material part of its business or Property.

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(b) Holdings (i) is duly organized, validly existing and in good standing under the laws of the state of California, (ii) has the corporate power and authority, and the legal right, to own and operate its property, to lease the property it operates as lessee and to conduct the business in which it is currently engaged, (iii) is duly qualified as a foreign corporation and in good standing under the laws of each jurisdiction where its ownership, lease or operation of property or the conduct of its business requires such qualification except where the failure to be so qualified would not have a Material Adverse Effect and (iv) is in compliance with all Requirements of Law except to the extent that the failure to comply therewith could not, in the aggregate, reasonably be expected to have a Material Adverse Effect.

(c) Holdings has the corporate power and authority, and the legal right, to make, deliver and perform the Loan Documents to which it is a party and has taken all necessary corporate action to authorize the execution, delivery and performance of the Loan Documents to which it is a party. No consent or authorization of, filing with, notice to or other act by or in respect of, any Governmental Authority or any other Person is required in connection with the execution, delivery, performance, validity or enforceability of the Loan Documents to which Holdings is a party. This Agreement has been, and each other Loan Document to which it is a party will be, duly executed and delivered on behalf of Holdings. This Agreement constitutes, and each other Loan Document to which it is a party when executed and delivered will constitute, a legal, valid and binding obligation of Holdings enforceable against Holdings in accordance with its terms, subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization, moratorium and other similar laws relating to or affecting creditors' rights generally, general equitable principles (whether considered in a proceeding in equity or at law) and an implied covenant of good faith and fair dealing.

(d) The execution, delivery and performance of the Loan Documents to which Holdings is a party will not violate any Requirement of Law or Contractual Obligation of Holdings or of any of its Subsidiaries and will not result in, or require, the creation or imposition of any Lien on any of its or their respective properties or revenues pursuant to any such Requirement of Law or Contractual Obligation (other than pursuant to this Agreement).

(e) No litigation, investigation or proceeding of or before any arbitrator or Governmental Authority is pending or, to the knowledge of Holdings, threatened by or against Holdings or against any of its properties or revenues (x) with respect to any of the Loan Documents or any of the transactions contemplated hereby or thereby, or (y) which could reasonably be expected to have a Material Adverse Effect.

(f) Holdings has filed or caused to be filed all Federal, state and other material tax returns which are required to be filed and has paid all taxes shown to be due and payable on said returns or on any assessments made against it or any of its Property and all other taxes, fees or other charges imposed on it or any of its Property

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by any Governmental Authority (other than any the amount or validity of which are currently being contested in good faith by appropriate proceedings and with respect to which reserves in conformity with GAAP have been provided on the books of Holdings); no tax Lien has been filed, and, to the knowledge of Holdings, no claim is being asserted, with respect to any such tax, fee or other charge.

(g) Neither a Reportable Event nor an "accumulated funding deficiency" (within the meaning of Section 412 of the Code or Section 302 of ERISA) has occurred during the five-year period prior to the date on which this representation is made or deemed made with respect to any Plan, and each Plan has complied in all material respects with the applicable provisions of ERISA and the Code. No termination of a Single Employer Plan has occurred, and no Lien in favor of the PBGC or a Plan has arisen, during such five-year period. The present value of all accrued benefits under each Single Employer Plan (based on those assumptions used to fund such Plans) did not, as of the last annual valuation date prior to the date on which this representation is made or deemed made, exceed the value of the assets of such Plan allocable to such accrued benefits by a material amount. Neither Holdings nor any Commonly Controlled Entity has had a complete or partial withdrawal from any Multiemployer Plan which has resulted or could reasonably be expected to result in a material liability under ERISA, and neither Holdings nor any Commonly Controlled Entity would become subject to any material liability under ERISA if Holdings or any such Commonly Controlled Entity were to withdraw completely from all Multiemployer Plans as of the valuation date most closely preceding the date on which this representation is made or deemed made. No such Multiemployer Plan is in Reorganization or Insolvent.

(h) Holdings is not an "investment company", or a company "controlled" by an "investment company", within the meaning of the Investment Company Act of 1940, as amended. Holdings is not subject to regulation under any Requirement of Law which limits its ability to incur its obligations hereunder.

SECTION 5. COVENANTS

Each Grantor covenants and agrees with the Administrative Agent and the Lenders that, from and after the date of this Agreement until the Obligations shall have been paid in full and the Commitments shall have terminated:

5.1 Delivery of Instruments and Chattel Paper. If any amount payable under or in connection with any of the Collateral shall be or become evidenced by any Instrument or Chattel Paper, such Instrument or Chattel Paper shall be immediately delivered to the Administrative Agent, duly indorsed in a manner satisfactory to the Administrative Agent, to be held as Collateral pursuant to this Agreement.

5.2 Maintenance of Insurance. (a) Such Grantor will maintain, with financially sound and reputable companies, insurance policies (i) insuring the Inventory and Equipment against loss by fire, explosion, theft and such other casualties as may be reasonably satisfactory to the Administrative Agent and (ii) insuring such Grantor, the Administrative Agent and the Lenders against liability for personal injury and property damage relating to such Inventory and Equipment, such policies to be in such form and amounts and having such coverage as may be reasonably satisfactory to the Administrative Agent and the Lenders.

(b) All such insurance shall (i) provide that no cancellation, material reduction in amount or material change in coverage thereof shall be effective until at least 30 days after receipt by the Administrative Agent of written notice thereof, (ii) name the Borrower and the Administrative Agent for the benefit of the Lenders as the coinsureds thereunder; (iii) name the Administrative Agent as the loss payee in respect of insurance recoveries thereunder of \$1,000,000 or more and the Borrower as loss payee in respect of insurance recoveries thereunder of less than \$1,000,000 (it being understood that this provision shall not modify the application of any such insurance recoveries pursuant to Section 2.10 of the Credit Agreement), (iv) if reasonably requested by the Administrative Agent, include a breach of warranty clause and (v) be reasonably satisfactory in all other respects to the Administrative Agent.

(c) The Borrower shall deliver to the Administrative Agent and the Lenders a report of a reputable insurance broker with respect to such insurance substantially concurrently with each delivery of the Borrower's audited annual financial statements and such supplemental reports with respect thereto as the Administrative Agent may from time to time reasonably request.

5.3 Payment of Obligations. Such Grantor will pay and discharge or otherwise satisfy at or before maturity or before they become delinquent, as the case may be, all taxes, assessments and governmental charges or levies imposed upon the Collateral or in respect of income or profits therefrom, as well as all claims of any kind (including, without limitation, claims for labor, materials and supplies) against or with respect to the Collateral, except that no such charge need be paid if the amount or validity thereof is currently being contested in good faith by appropriate proceedings, reserves in conformity with GAAP with respect thereto have been provided on the books of such Grantor and such proceedings could not reasonably be expected to result in the sale, forfeiture or loss of any material portion of the Collateral or any interest therein.

5.4 Maintenance of Perfected Security Interest; Further Documentation. (a) Such Grantor shall maintain the security interest created by this Agreement as a perfected security interest having at least the priority described in Section 4.3 and shall defend such security interest against the claims and demands of all Persons whomsoever.

(b) Such Grantor will furnish to the Administrative Agent and the Lenders from time to time statements and schedules further identifying and describing the Collateral

and such other reports in connection with the Collateral as the Administrative Agent may reasonably request, all in reasonable detail.

(c) At any time and from time to time, upon the written request of the Administrative Agent, and at the sole expense of such Grantor, such Grantor will promptly and duly execute and deliver, and have recorded, such further instruments and documents and take such further actions as the Administrative Agent may reasonably request for the purpose of obtaining or preserving the full benefits of this Agreement and of the rights and powers herein granted, including, without limitation, the filing of any financing or continuation statements under the Uniform Commercial Code (or other similar laws) in effect in any jurisdiction with respect to the security interests created hereby.

5.5 Changes in Locations, Name, etc. Such Grantor will not, except upon 15 days' prior written notice to the Administrative Agent and delivery to the Administrative Agent of (a) all additional executed financing statements and other documents reasonably requested by the Administrative Agent to maintain the validity, perfection and priority of the security interests provided for herein and (b) if applicable, a written supplement to Schedule 5 showing any additional location at which Inventory or Equipment shall be kept:

(i) permit any of the Inventory or Equipment to be kept at a location other than those listed on Schedule 5;

(ii) change the location of its chief executive office or sole place of business from that referred to in Section 4.4; or

(iii) change its name, identity or corporate structure to such an extent that any financing statement filed by the Administrative Agent in connection with this Agreement would become misleading.

5.6 Notices. Such Grantor will advise the Administrative Agent and the Lenders promptly, in reasonable detail, of:

(a) any Lien (other than security interests created hereby or Liens permitted under the Credit Agreement) on any of the Collateral which would adversely affect the ability of the Administrative Agent to exercise any of its remedies hereunder; and

(b) of the occurrence of any other event which could reasonably be expected to have a material adverse effect on the aggregate value of the Collateral or on the security interests created hereby.

5.7 Pledged Securities. (a) If such Grantor shall become entitled to receive or shall receive any stock certificate (including, without limitation, any certificate representing a stock dividend or a distribution in connection with any reclassification, increase or reduction of capital or any certificate issued in connection with any reorganization), option or rights in respect of the Capital Stock of any Issuer, whether in addition to, in substitution of, as a

conversion of, or in exchange for, any shares of the Pledged Stock, or otherwise in respect thereof, such Grantor shall accept the same as the agent of the Administrative Agent and the Lenders, hold the same in trust for the Administrative Agent and the Lenders and deliver the same forthwith to the Administrative Agent in the exact form received, duly indorsed by such Grantor to the Administrative Agent, if required, together with an undated stock power covering such certificate duly executed in blank by such Grantor and with, if the Administrative Agent so requests, signature guaranteed, to be held by the Administrative Agent, subject to the terms hereof, as additional collateral security for the Obligations. Any sums paid upon or in respect of the Pledged Securities upon the liquidation or dissolution of any Issuer shall be paid over to the Administrative Agent to be held by it hereunder as additional collateral security for the Obligations, and in case any distribution of capital shall be made on or in respect of the Pledged Securities or any property shall be distributed upon or with respect to the Pledged Securities pursuant to the recapitalization or reclassification of the capital of any Issuer or pursuant to the reorganization thereof, the property so distributed shall, unless otherwise subject to a perfected security interest in favor of the Administrative Agent, be delivered to the Administrative Agent to be held by it hereunder as additional collateral security for the Obligations. If any sums of money or property so paid or distributed in respect of the Pledged Securities shall be received by such Grantor, such Grantor shall, until such money or property is paid or delivered to the Administrative Agent, hold such money or property in trust for the Lenders, segregated from other funds of such Grantor, as additional collateral security for the Obligations.

(b) Without the prior written consent of the Administrative Agent, such Grantor will not (i) vote to enable, or take any other action to permit, any Issuer to issue any stock or other equity securities of any nature or to issue any other securities convertible into or granting the right to purchase or exchange for any stock or other equity securities of any nature of any Issuer, (ii) sell, assign, transfer, exchange, or otherwise dispose of, or grant any option with respect to, the Pledged Securities or Proceeds thereof (except pursuant to a transaction expressly permitted by the Credit Agreement), (iii) create, incur or permit to exist any Lien or option in favor of, or any claim of any Person with respect to, any of the Pledged Securities or Proceeds thereof, or any interest therein, except for the security interests created by this Agreement or (iv) enter into any agreement or undertaking restricting the right or ability of such Grantor or the Administrative Agent to sell, assign or transfer any of the Pledged Securities or Proceeds thereof.

(c) In the case of each Grantor which is an Issuer, such Issuer agrees that (i) it will be bound by the terms of this Agreement relating to the Pledged Securities issued by it and will comply with such terms insofar as such terms are applicable to it, (ii) it will notify the Administrative Agent promptly in writing of the occurrence of any of the events described in Section 5.7(a) with respect to the Pledged Securities issued by it and (iii) the terms of Sections 6.3(c) and 6.7 shall apply to it, mutatis mutandis, with respect to all actions that may be required of it pursuant to Section 6.3(c) or 6.7 with respect to the Pledged Securities issued by it.

5.8 Receivables. (a) Other than in the ordinary course of business consistent with its past business practice, such Grantor will not (i) grant any extension of the time of payment of any Receivable, (ii) compromise or settle any Receivable for less than the full amount thereof, (iii) release, wholly or partially, any Person liable for the payment of any Receivable, (iv) allow any credit or discount whatsoever on any Receivable or (v) amend, supplement or modify any Receivable in any manner that could adversely affect the value thereof.

(b) Such Grantor will deliver to the Administrative Agent a copy of each material demand, notice or document received by it that questions or calls into doubt the validity or enforceability of more than 5% of the aggregate amount of the then outstanding Receivables.

5.9 Intellectual Property. (a) Such Grantor (either itself or through licensees) will (i) continue to use each material Trademark on each and every trademark class of goods applicable to its current line as reflected in its current catalogs, brochures and price lists in order to maintain such Trademark in full force free from any claim of abandonment for non-use, (ii) maintain as in the past the quality of products and services offered under such Trademark, (iii) use such Trademark with the appropriate notice of registration and all other notices and legends required by applicable Requirements of Law, (iv) not adopt or use any mark which is confusingly similar or a colorable imitation of such Trademark unless the Administrative Agent, for the ratable benefit of the Lenders, shall obtain a perfected security interest in such mark pursuant to this Agreement, and (v) not (and not permit any licensee or sublicensee thereof to) do any act or knowingly omit to do any act whereby such Trademark may become invalidated or impaired in any way.

(b) Such Grantor (either itself or through licensees) will not do any act, or omit to do any act, whereby any material Patent may become forfeited, abandoned or dedicated to the public.

(c) Such Grantor (either itself or through licensees) (i) will employ each Copyright necessary in the conduct of its business and (ii) will not (and will not permit any licensee or sublicensee thereof to) do any act or knowingly omit to do any act whereby any material portion of the Copyrights may become invalidated. Such Grantor will not (either itself or through licensees) do any act whereby any material portion of the Copyrights may fall into the public domain in the United States.

(d) Such Grantor (either itself or through licensees) will not do any act that knowingly uses any material Intellectual Property to infringe the intellectual property rights of any other Person.

(e) Such Grantor will notify the Administrative Agent and the Lenders immediately if it knows, or has reason to know, that any application or registration relating to any material Intellectual Property may become forfeited, abandoned or dedicated to the public, or of any adverse determination or development (including, without limitation, the

institution of, or any such determination or development in, any proceeding in the United States Patent and Trademark Office, the United States Copyright Office or any court or tribunal in any country) regarding such Grantor's ownership of, or the validity of, any material Intellectual Property or such Grantor's right to register the same or to own and maintain the same.

(f) Whenever such Grantor, either by itself or through any agent, employee, licensee or designee, shall file an application for the registration of any Intellectual Property with the United States Patent and Trademark Office, the United States Copyright Office, such Grantor shall report such filing to the Administrative Agent within five Business Days after the last day of the fiscal quarter in which such filing occurs. Upon request of the Administrative Agent, such Grantor shall execute and deliver, and have recorded, any and all agreements, instruments, documents, and papers as the Administrative Agent may request to evidence the Administrative Agent's and the Lenders' security interest in any Copyright, Patent or Trademark and the goodwill and general intangibles of such Grantor relating thereto or represented thereby.

(g) Such Grantor will take all reasonable and necessary steps, including, without limitation, in any proceeding before the United States Patent and Trademark Office, the United States Copyright Office or any similar office or agency in any other country or any political subdivision thereof, to maintain and pursue each application (and to obtain the relevant registration) and to maintain each registration of the material Intellectual Property, including, without limitation, filing of applications for renewal, affidavits of use and affidavits of incontestability.

(h) In the event that any material Intellectual Property is infringed, misappropriated or diluted by a third party, such Grantor shall (i) take such actions as such Grantor shall reasonably deem appropriate under the circumstances to protect such Intellectual Property and (ii) if such Intellectual Property is of material economic value, promptly notify the Administrative Agent after it learns thereof and sue for infringement, misappropriation or dilution, to seek injunctive relief where appropriate and to recover any and all damages for such infringement, misappropriation or dilution.

5.10 Other Covenants. (a) With respect to a loan by the Borrower to Holdings in the principal amount of \$30,000,000, upon such loan becoming due and payable in March 1998, the Borrower will satisfy Holdings' obligations in full with respect thereto by declaring a dividend in the full amount of the principal outstanding and interest accrued with respect to such loan and such dividend will comply with the stockholder distribution requirements under the Delaware General Corporation Law.

(b) Decisions with respect to the Borrower's business and daily operations will be independently made by the Borrower and will not be dictated by Holdings or any affiliates thereof. All business transactions entered into by the Borrower with any of its affiliates shall be on terms that are not more or less favorable to the Borrower than terms and

conditions available at the time to the Borrower for comparable transactions with unaffiliated persons.

(c) The Borrower will act solely in its own corporate name and through its own authorized officers and agents. No affiliates of Holdings will be appointed agent of the Borrower unless such appointment is on terms no more or less favorable than could be obtained elsewhere and revocable at will by the Borrower.

(d) The Borrower will continue to directly manage its own liabilities, including paying its own administrative expenses.

(e) The Borrower will continue to maintain separate offices from Holdings.

(f) The Borrower will continue to prepare and maintain its own separate, full and complete books, records and financial statements. The Borrower's financial statements will comply with generally accepted accounting principles.

(g) Holdings will not guarantee debts of the Borrower, other than the Borrower's obligations under the Credit Agreement, and the Borrower will not guarantee debts of Holdings or any affiliates thereof.

(h) The Borrower will not acquire obligations or securities of, or make additional loans or advances to, Holdings or any affiliates thereof.

(i) The Borrower will not commingle any of its money or other assets with the money or assets of Holdings or any affiliates thereof.

(j) The Borrower will continue to maintain separate bank accounts in its own name.

(k) Intercorporate sales transactions between the Borrower and Holdings will continue to be insignificant, on a percentage of revenues basis, for each of the Borrower and Holdings. Each corporation will continue to not rely on the other for any significant portion of its supplies or for manufacturing or other services.

(l) Neither the Borrower nor Holdings will provide, either directly or indirectly, any credit support to the other's obligations with trade creditors.

(m) Creditors of the Borrower (other than the Lenders under the Credit Agreement) will continue to rely solely on the Borrower's assets and cash flow for payment of the Borrower's obligations to them, and will not take into account Holdings's assets and financial condition in extending credit to the Borrower.

(n) Creditors of Holdings will continue to rely solely on Holdings' assets and cash flow for payment of Holdings' obligations to them, and will not take into account the Borrower's assets and financial condition in extending credit to Holdings.

SECTION 6. REMEDIAL PROVISIONS

6.1 Certain Matters Relating to Receivables. (a) The Administrative Agent shall have the right to make test verifications of the Receivables in any manner and through any medium that it reasonably considers advisable, and each Grantor shall furnish all such assistance and information as the Administrative Agent may require in connection with such test verifications. At any time and from time to time, upon the Administrative Agent's request and at the expense of the relevant Grantor, such Grantor shall cause independent public accountants or others satisfactory to the Administrative Agent to furnish to the Administrative Agent reports showing reconciliations, aging and test verifications of, and trial balances for, the Receivables.

(b) The Administrative Agent hereby authorizes each Grantor to collect such Grantor's Receivables, subject to the Administrative Agent's direction and control, and the Administrative Agent may curtail or terminate said authority at any time after the occurrence and during the continuance of an Event of Default. If required by the Administrative Agent at any time after the occurrence and during the continuance of an Event of Default, any payments of Receivables, when collected by any Grantor, (i) shall be forthwith (and, in any event, within two Business Days) deposited by such Grantor in the exact form received, duly indorsed by such Grantor to the Administrative Agent if required, in a Collateral Account maintained under the sole dominion and control of the Administrative Agent, subject to withdrawal by the Administrative Agent for the account of the Lenders only as provided in Section 6.5, and (ii) until so turned over, shall be held by such Grantor in trust for the Administrative Agent and the Lenders, segregated from other funds of such Grantor. Each such deposit of Proceeds of Receivables shall be accompanied by a report identifying in reasonable detail the nature and source of the payments included in the deposit.

(c) At the Administrative Agent's request upon the occurrence and during the continuance of an Event of Default, each Grantor shall deliver to the Administrative Agent all original and other documents evidencing, and relating to, the agreements and transactions which gave rise to the Receivables, including, without limitation, all original orders, invoices and shipping receipts.

6.2 Communications with Obligors; Grantors Remain Liable. (a) Upon the occurrence and during the continuance of an Event of Default, the Administrative Agent in its own name or in the name of others may at any time communicate with obligors under the Receivables to verify with them to the Administrative Agent's satisfaction the existence, amount and terms of any Receivables.

(b) Upon the request of the Administrative Agent at any time after the occurrence and during the continuance of an Event of Default, each Grantor shall notify obligors on the Receivables that the Receivables have been assigned to the Administrative Agent for the ratable benefit of the Lenders and that payments in respect thereof shall be made directly to the Administrative Agent.

(c) Anything herein to the contrary notwithstanding, each Grantor shall remain liable under each of the Receivables to observe and perform all the conditions and obligations to be observed and performed by it thereunder, all in accordance with the terms of any agreement giving rise thereto. Neither the Administrative Agent nor any Lender shall have any obligation or liability under any Receivable (or any agreement giving rise thereto) by reason of or arising out of this Agreement or the receipt by the Administrative Agent or any Lender of any payment relating thereto, nor shall the Administrative Agent or any Lender be obligated in any manner to perform any of the obligations of any Grantor under or pursuant to any Receivable (or any agreement giving rise thereto), to make any payment, to make any inquiry as to the nature or the sufficiency of any payment received by it or as to the sufficiency of any performance by any party thereunder, to present or file any claim, to take any action to enforce any performance or to collect the payment of any amounts which may have been assigned to it or to which it may be entitled at any time or times.

6.3 Pledged Stock. (a) Unless an Event of Default shall have occurred and be continuing and the Administrative Agent shall have given notice to the relevant Grantor of the Administrative Agent's intent to exercise its corresponding rights pursuant to Section 6.3(b), each Grantor shall be permitted to receive all cash dividends paid in respect of the Pledged Stock and all payments made in respect of the Pledged Notes, in each case paid in the normal course of business of the relevant Issuer and consistent with past practice, to the extent permitted in the Credit Agreement, and to exercise all voting and corporate rights with respect to the Pledged Securities; provided, however, that no vote shall be cast or corporate right exercised or other action taken which, in the Administrative Agent's reasonable judgment, would impair the Collateral or which would be inconsistent with or result in any violation of any provision of the Credit Agreement, this Agreement or any other Loan Document.

(b) If an Event of Default shall occur and be continuing and the Administrative Agent shall give notice of its intent to exercise such rights to the relevant Grantor or Grantors, (i) the Administrative Agent shall have the right to receive any and all cash dividends, payments or other Proceeds paid in respect of the Pledged Securities and make application thereof to the Obligations in such order as the Administrative Agent may determine, and (ii) any or all of the Pledged Securities shall be registered in the name of the Administrative Agent or its nominee, and the Administrative Agent or its nominee may thereafter exercise (x) all voting, corporate and other rights pertaining to such Pledged Securities at any meeting of shareholders of the relevant Issuer or Issuers or otherwise and (y) any and all rights of conversion, exchange and subscription and any other rights, privileges or options pertaining to such Pledged Securities as if it were the absolute owner thereof (including, without limitation, the right to exchange at its discretion any and all of the

Pledged Securities upon the merger, consolidation, reorganization, recapitalization or other fundamental change in the corporate structure of any Issuer, or upon the exercise by any Grantor or the Administrative Agent of any right, privilege or option pertaining to such Pledged Securities, and in connection therewith, the right to deposit and deliver any and all of the Pledged Securities with any committee, depository, transfer agent, registrar or other designated agency upon such terms and conditions as the Administrative Agent may determine), all without liability except to account for property actually received by it, but the Administrative Agent shall have no duty to any Grantor to exercise any such right, privilege or option and shall not be responsible for any failure to do so or delay in so doing.

(c) Each Grantor hereby authorizes and instructs each Issuer of any Pledged Securities pledged by such Grantor hereunder to (i) comply with any instruction received by it from the Administrative Agent in writing that (x) states that an Event of Default has occurred and is continuing and (y) is otherwise in accordance with the terms of this Agreement, without any other or further instructions from such Grantor, and each Grantor agrees that each Issuer shall be fully protected in so complying, and (ii) unless otherwise expressly permitted hereby, pay any dividends or other payments with respect to the Pledged Securities directly to the Administrative Agent.

6.4 Proceeds to be Turned Over To Administrative Agent. In addition to the rights of the Administrative Agent and the Lenders specified in Section 6.1 with respect to payments of Receivables, if an Event of Default shall occur and be continuing, all Proceeds received by any Grantor consisting of cash, checks and other near-cash items shall be held by such Grantor in trust for the Administrative Agent and the Lenders, segregated from other funds of such Grantor, and shall, forthwith upon receipt by such Grantor, be turned over to the Administrative Agent in the exact form received by such Grantor (duly indorsed by such Grantor to the Administrative Agent, if required). All Proceeds received by the Administrative Agent hereunder shall be held by the Administrative Agent in a Collateral Account maintained under its sole dominion and control. All Proceeds while held by the Administrative Agent in a Collateral Account (or by such Grantor in trust for the Administrative Agent and the Lenders) shall continue to be held as collateral security for all the Obligations and shall not constitute payment thereof until applied as provided in Section 6.5.

6.5 Application of Proceeds. At such intervals as may be agreed upon by the Borrower and the Administrative Agent, or, if an Event of Default shall have occurred and be continuing, at any time at the Administrative Agent's election, the Administrative Agent may apply all or any part of Proceeds held in any Collateral Account in payment of the Obligations in such order as the Administrative Agent may elect, and any part of such funds which the Administrative Agent elects not so to apply and deems not required as collateral security for the Obligations shall be paid over from time to time by the Administrative Agent to the Borrower or to whomsoever may be lawfully entitled to receive the same. Any balance of such Proceeds remaining after the Obligations shall have been paid in full and the Commitments shall have terminated shall be paid over to the Borrower or to whomsoever may be lawfully entitled to receive the same.

6.6 Code and Other Remedies. If an Event of Default shall occur and be continuing, the Administrative Agent, on behalf of the Lenders, may exercise, in addition to all other rights and remedies granted to them in this Agreement and in any other instrument or agreement securing, evidencing or relating to the Obligations, all rights and remedies of a secured party under the New York UCC or any other applicable law. Without limiting the generality of the foregoing, the Administrative Agent, without demand of performance or other demand, presentment, protest, advertisement or notice of any kind (except any notice required by law referred to below) to or upon any Grantor or any other Person (all and each of which demands, defenses, advertisements and notices are hereby waived), may in such circumstances forthwith collect, receive, appropriate and realize upon the Collateral, or any part thereof, and/or may forthwith sell, lease, assign, give option or options to purchase, or otherwise dispose of and deliver the Collateral or any part thereof (or contract to do any of the foregoing), in one or more parcels at public or private sale or sales, at any exchange, broker's board or office of the Administrative Agent or any Lender or elsewhere upon such terms and conditions as it may deem advisable and at such prices as it may deem best, for cash or on credit or for future delivery without assumption of any credit risk. The Administrative Agent or any Lender shall have the right upon any such public sale or sales, and, to the extent permitted by law, upon any such private sale or sales, to purchase the whole or any part of the Collateral so sold, free of any right or equity of redemption in any Grantor, which right or equity is hereby waived and released. Each Grantor further agrees, at the Administrative Agent's request, to assemble the Collateral and make it available to the Administrative Agent at places which the Administrative Agent shall reasonably select, whether at such Grantor's premises or elsewhere. The Administrative Agent shall apply the net proceeds of any action taken by it pursuant to this Section 6.6, after deducting all reasonable costs and expenses of every kind incurred in connection therewith or incidental to the care or safekeeping of any of the Collateral or in any way relating to the Collateral or the rights of the Administrative Agent and the Lenders hereunder, including, without limitation, reasonable attorneys' fees and disbursements, to the payment in whole or in part of the Obligations, in such order as the Administrative Agent may elect, and only after such application and after the payment by the Administrative Agent of any other amount required by any provision of law, including, without limitation, Section 9-504(1)(c) of the New York UCC, need the Administrative Agent account for the surplus, if any, to any Grantor. To the extent permitted by applicable law, each Grantor waives all claims, damages and demands it may acquire against the Administrative Agent or any Lender arising out of the exercise by them of any rights hereunder. If any notice of a proposed sale or other disposition of Collateral shall be required by law, such notice shall be deemed reasonable and proper if given at least 10 days before such sale or other disposition.

6.7 Registration Rights. (a) If the Administrative Agent shall determine to exercise its right to sell any or all of the Pledged Stock pursuant to Section 6.6, and if in the opinion of the Administrative Agent it is necessary or advisable to have the Pledged Stock, or that portion thereof to be sold, registered under the provisions of the Securities Act, the relevant Grantor will cause the Issuer thereof to (i) execute and deliver, and cause the directors and officers of such Issuer to execute and deliver, all such instruments and documents, and do or cause to be done all such other acts as may be, in the opinion of the

Administrative Agent, necessary or advisable to register the Pledged Stock, or that portion thereof to be sold, under the provisions of the Securities Act, (ii) use its best efforts to cause the registration statement relating thereto to become effective and to remain effective for a period of one year from the date of the first public offering of the Pledged Stock, or that portion thereof to be sold, and (iii) make all amendments thereto and/or to the related prospectus which, in the opinion of the Administrative Agent, are necessary or advisable, all in conformity with the requirements of the Securities Act and the rules and regulations of the Securities and Exchange Commission applicable thereto. Each Grantor agrees to cause such Issuer to comply with the provisions of the securities or "Blue Sky" laws of any and all jurisdictions which the Administrative Agent shall designate and to make available to its security holders, as soon as practicable, an earnings statement (which need not be audited) which will satisfy the provisions of Section 11(a) of the Securities Act.

(b) Each Grantor recognizes that the Administrative Agent may be unable to effect a public sale of any or all the Pledged Stock, by reason of certain prohibitions contained in the Securities Act and applicable state securities laws or otherwise, and may be compelled to resort to one or more private sales thereof to a restricted group of purchasers which will be obliged to agree, among other things, to acquire such securities for their own account for investment and not with a view to the distribution or resale thereof. Each Grantor acknowledges and agrees that any such private sale may result in prices and other terms less favorable than if such sale were a public sale and, notwithstanding such circumstances, agrees that any such private sale shall be deemed to have been made in a commercially reasonable manner. The Administrative Agent shall be under no obligation to delay a sale of any of the Pledged Stock for the period of time necessary to permit the Issuer thereof to register such securities for public sale under the Securities Act, or under applicable state securities laws, even if such Issuer would agree to do so.

(c) Each Grantor agrees to use its best efforts to do or cause to be done all such other acts as may be necessary to make such sale or sales of all or any portion of the Pledged Stock pursuant to this Section 6.7 valid and binding and in compliance with any and all other applicable Requirements of Law. Each Grantor further agrees that a breach of any of the covenants contained in this Section 6.7 will cause irreparable injury to the Administrative Agent and the Lenders, that the Administrative Agent and the Lenders have no adequate remedy at law in respect of such breach and, as a consequence, that each and every covenant contained in this Section 6.7 shall be specifically enforceable against such Grantor, and such Grantor hereby waives and agrees not to assert any defenses against an action for specific performance of such covenants except for a defense that no Event of Default has occurred under the Credit Agreement.

6.8 Waiver, Deficiency. Each Grantor waives and agrees not to assert any rights or privileges which it may acquire under Section 9-112 of the New York UCC. Each Grantor (other than Holdings) shall remain liable for any deficiency if the proceeds of any sale or other disposition of the Collateral are insufficient to pay its Obligations and the fees and disbursements of any attorneys employed by the Administrative Agent or any Lender to collect such deficiency.

SECTION 7. THE ADMINISTRATIVE AGENT

7.1 Administrative Agent's Appointment as Attorney-in-Fact, etc. (a) Each Grantor hereby irrevocably constitutes and appoints the Administrative Agent and any officer or agent thereof, with full power of substitution, as its true and lawful attorney-in-fact with full irrevocable power and authority in the place and stead of such Grantor and in the name of such Grantor or in its own name, for the purpose of carrying out the terms of this Agreement, to take any and all appropriate action and to execute any and all documents and instruments which may be necessary or desirable to accomplish the purposes of this Agreement, and, without limiting the generality of the foregoing, each Grantor hereby gives the Administrative Agent the power and right, on behalf of such Grantor, without notice to or assent by such Grantor, to do any or all of the following:

(i) in the name of such Grantor or its own name, or otherwise, take possession of and indorse and collect any checks, drafts, notes, acceptances or other instruments for the payment of moneys due under any Receivable or with respect to any other Collateral and file any claim or take any other action or proceeding in any court of law or equity or otherwise deemed appropriate by the Administrative Agent for the purpose of collecting any and all such moneys due under any Receivable or with respect to any other Collateral whenever payable;

(ii) in the case of any Intellectual Property, execute and deliver, and have recorded, any and all agreements, instruments, documents and papers as the Administrative Agent may request to evidence the Administrative Agent's and the Lenders' security interest in such Intellectual Property and the goodwill and general intangibles of such Grantor relating thereto or represented thereby;

(iii) pay or discharge taxes and Liens levied or placed on or threatened against the Collateral, effect any repairs or any insurance called for by the terms of this Agreement and pay all or any part of the premiums therefor and the costs thereof;

(iv) execute, in connection with any sale provided for in Section 6.6 or 6.7, any indorsements, assignments or other instruments of conveyance or transfer with respect to the Collateral; and

(v) (1) direct any party liable for any payment under any of the Collateral to make payment of any and all moneys due or to become due thereunder directly to the Administrative Agent or as the Administrative Agent shall direct; (2) ask or demand for, collect, and receive payment of and receipt for, any and all moneys, claims and other amounts due or to become due at any time in respect of or arising out of any Collateral; (3) sign and indorse any invoices, freight or express bills, bills of lading, storage or warehouse receipts, drafts against debtors, assignments, verifications, notices and other documents in connection with any of the Collateral; (4) commence and prosecute any suits, actions or proceedings at law or in equity in any court of

competent jurisdiction to collect the Collateral or any portion thereof and to enforce any other right in respect of any Collateral; (5) defend any suit, action or proceeding brought against such Grantor with respect to any Collateral; (6) settle, compromise or adjust any such suit, action or proceeding and, in connection therewith, give such discharges or releases as the Administrative Agent may deem appropriate; (7) assign any Copyright, Patent or Trademark (along with the goodwill of the business to which any such Copyright, Patent or Trademark pertains), throughout the world for such term or terms, on such conditions, and in such manner, as the Administrative Agent shall in its sole discretion determine; and (8) generally, sell, transfer, pledge and make any agreement with respect to or otherwise deal with any of the Collateral as fully and completely as though the Administrative Agent were the absolute owner thereof for all purposes, and do, at the Administrative Agent's option and such Grantor's expense, at any time, or from time to time, all acts and things which the Administrative Agent deems necessary to protect, preserve or realize upon the Collateral and the Administrative Agent's and the Lenders' security interests therein and to effect the intent of this Agreement, all as fully and effectively as such Grantor might do.

Anything in this Section 7.1(a) to the contrary notwithstanding, the Administrative Agent agrees that it will not exercise any rights under the power of attorney provided for in this Section 7.1(a) unless an Event of Default shall have occurred and be continuing.

(b) If any Grantor fails to perform or comply with any of its agreements contained herein, the Administrative Agent, at its option, but without any obligation so to do, may perform or comply, or otherwise cause performance or compliance, with such agreement.

(c) The expenses of the Administrative Agent incurred in connection with actions undertaken as provided in this Section 7.1, together with interest thereon at a rate per annum equal to the highest rate per annum at which interest would then be payable on any category of past due Base Rate Loans under the Credit Agreement, from the date of payment by the Administrative Agent to the date reimbursed by the relevant Grantor, shall be payable by such Grantor to the Administrative Agent on demand.

(d) Each Grantor hereby ratifies all that said attorneys shall lawfully do or cause to be done by virtue hereof. All powers, authorizations and agencies contained in this Agreement are coupled with an interest and are irrevocable until this Agreement is terminated and the security interests created hereby are released.

7.2 Duty of Administrative Agent. The Administrative Agent's sole duty with respect to the custody, safekeeping and physical preservation of the Collateral in its possession, under Section 9-207 of the New York UCC or otherwise, shall be to deal with it in the same manner as the Administrative Agent deals with similar property for its own account. Neither the Administrative Agent, any Lender nor any of their respective officers, directors, employees or agents shall be liable for failure to demand, collect or realize upon any of the Collateral or for any delay in doing so or shall be under any obligation to sell or otherwise dispose of any Collateral upon the request of any Grantor or any other Person or to

take any other action whatsoever with regard to the Collateral or any part thereof. The powers conferred on the Administrative Agent and the Lenders hereunder are solely to protect the Administrative Agent's and the Lenders' interests in the Collateral and shall not impose any duty upon the Administrative Agent or any Lender to exercise any such powers. The Administrative Agent and the Lenders shall be accountable only for amounts that they actually receive as a result of the exercise of such powers, and neither they nor any of their officers, directors, employees or agents shall be responsible to any Grantor for any act or failure to act hereunder, except for their own gross negligence or willful misconduct.

7.3 Execution of Financing Statements. Pursuant to Section 9-402 of the New York UCC and any other applicable law, each Grantor authorizes the Administrative Agent to file or record financing statements and other filing or recording documents or instruments with respect to the Collateral without the signature of such Grantor in such form and in such offices as the Administrative Agent reasonably determines appropriate to perfect the security interests of the Administrative Agent under this Agreement. A photographic or other reproduction of this Agreement shall be sufficient as a financing statement or other filing or recording document or instrument for filing or recording in any jurisdiction.

7.4 Authority of Administrative Agent. Each Grantor acknowledges that the rights and responsibilities of the Administrative Agent under this Agreement with respect to any action taken by the Administrative Agent or the exercise or non-exercise by the Administrative Agent of any option, voting right, request, judgment or other right or remedy provided for herein or resulting or arising out of this Agreement shall, as between the Administrative Agent and the Lenders, be governed by the Credit Agreement and by such other agreements with respect thereto as may exist from time to time among them, but, as between the Administrative Agent and the Grantors, the Administrative Agent shall be conclusively presumed to be acting as agent for the Lenders with full and valid authority so to act or refrain from acting, and no Grantor shall be under any obligation, or entitlement, to make any inquiry respecting such authority.

SECTION 8. MISCELLANEOUS

8.1 Amendments in Writing. None of the terms or provisions of this Agreement may be waived, amended, supplemented or otherwise modified except in accordance with Section 9.1 of the Credit Agreement.

8.2 Notices. All notices, requests and demands to or upon the Administrative Agent or any Grantor hereunder shall be effected in the manner provided for in Section 9.2 of the Credit Agreement; provided that any such notice, request or demand to or upon any Guarantor shall be addressed to such Guarantor at its notice address set forth on Schedule 1.

8.3 No Waiver by Course of Conduct; Cumulative Remedies. Neither the Administrative Agent nor any Lender shall by any act (except by a written instrument pursuant to Section 8.1), delay, indulgence, omission or otherwise be deemed to have waived

any right or remedy hereunder or to have acquiesced in any Default or Event of Default. No failure to exercise, nor any delay in exercising, on the part of the Administrative Agent or any Lender, any right, power or privilege hereunder shall operate as a waiver thereof. No single or partial exercise of any right, power or privilege hereunder shall preclude any other or further exercise thereof or the exercise of any other right, power or privilege. A waiver by the Administrative Agent or any Lender of any right or remedy hereunder on any one occasion shall not be construed as a bar to any right or remedy which the Administrative Agent or such Lender would otherwise have on any future occasion. The rights and remedies herein provided are cumulative, may be exercised singly or concurrently and are not exclusive of any other rights or remedies provided by law.

8.4 Enforcement Expenses; Indemnification. (a) Each Guarantor agrees to pay or reimburse each Lender and the Administrative Agent for all its costs and expenses incurred in collecting against such Guarantor under the guarantee contained in Section 2 or otherwise enforcing or preserving any rights under this Agreement and the other Loan Documents to which such Guarantor is a party, including, without limitation, the fees and disbursements of counsel (including the allocated fees and expenses of in-house counsel) to each Lender and of counsel to the Administrative Agent.

(b) Each Guarantor agrees to pay, and to save the Administrative Agent and the Lenders harmless from, any and all liabilities with respect to, or resulting from any delay in paying, any and all stamp, excise, sales or other taxes which may be payable or determined to be payable with respect to any of the Collateral or in connection with any of the transactions contemplated by this Agreement.

(c) Each Guarantor agrees to pay, and to save the Administrative Agent and the Lenders harmless from, any and all liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever with respect to the execution, delivery, enforcement, performance and administration of this Agreement to the extent the Borrower would be required to do so pursuant to Section 9.5 of the Credit Agreement.

(d) The agreements in this Section 8.4 shall survive repayment of the Obligations and all other amounts payable under the Credit Agreement and the other Loan Documents.

8.5 Successors and Assigns. This Agreement shall be binding upon the successors and assigns of each Grantor and shall inure to the benefit of the Administrative Agent and the Lenders and their successors and assigns; provided that no Grantor may assign, transfer or delegate any of its rights or obligations under this Agreement without the prior written consent of the Administrative Agent.

8.6 Set-Off. Each Grantor (other than Holdings) hereby irrevocably authorizes the Administrative Agent and each Lender at any time and from time to time, without notice to such Grantor or any other Grantor, any such notice being expressly waived by each

Grantor, to set-off and appropriate and apply any and all deposits (general or special, time or demand, provisional or final), in any currency, and any other credits, indebtedness or claims, in any currency, in each case whether direct or indirect, absolute or contingent, matured or unmatured, at any time held or owing by the Administrative Agent or such Lender to or for the credit or the account of such Grantor, or any part thereof in such amounts as the Administrative Agent or such Lender may elect, against and on account of the obligations and liabilities of such Grantor to the Administrative Agent or such Lender hereunder and claims of every nature and description of the Administrative Agent or such Lender against such Grantor, in any currency, whether arising hereunder, under the Credit Agreement, any other Loan Document or otherwise, as the Administrative Agent or such Lender may elect, whether or not the Administrative Agent or any Lender has made any demand for payment and although such obligations, liabilities and claims may be contingent or unmatured. The Administrative Agent and each Lender shall notify such Grantor promptly of any such set-off and the application made by the Administrative Agent or such Lender of the proceeds thereof, provided that the failure to give such notice shall not affect the validity of such set-off and application. The rights of the Administrative Agent and each Lender under this Section 8.6 are in addition to other rights and remedies (including, without limitation, other rights of set-off) which the Administrative Agent or such Lender may have.

8.7 Counterparts. This Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts (including by telecopy), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

8.8 Severability. Any provision of this Agreement which is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.

8.9 Section Headings. The Section headings used in this Agreement are for convenience of reference only and are not to affect the construction hereof or be taken into consideration in the interpretation hereof.

8.10 Integration. This Agreement and the other Loan Documents represent the agreement of the Grantors, the Administrative Agent and the Lenders with respect to the subject matter hereof and thereof, and there are no promises, undertakings, representations or warranties by the Administrative Agent or any Lender relative to subject matter hereof and thereof not expressly set forth or referred to herein or in the other Loan Documents.

8.11 GOVERNING LAW. THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

8.12 Submission To Jurisdiction; Waivers. Each Grantor hereby irrevocably and unconditionally:

(a) submits for itself and its property in any legal action or proceeding relating to this Agreement and the other Loan Documents to which it is a party, or for recognition and enforcement of any judgment in respect thereof, to the non-exclusive general jurisdiction of the Courts of the State of New York, the courts of the United States of America for the Southern District of New York, and appellate courts from any thereof;

(b) consents that any such action or proceeding may be brought in such courts and waives any objection that it may now or hereafter have to the venue of any such action or proceeding in any such court or that such action or proceeding was brought in an inconvenient court and agrees not to plead or claim the same;

(c) agrees that service of process in any such action or proceeding may be effected by mailing a copy thereof by registered or certified mail (or any substantially similar form of mail), postage prepaid, to such Grantor at its address referred to in Section 8.2 or at such other address of which the Administrative Agent shall have been notified pursuant thereto;

(d) agrees that nothing herein shall affect the right to effect service of process in any other manner permitted by law or shall limit the right to sue in any other jurisdiction; and

(e) waives, to the maximum extent not prohibited by law, any right it may have to claim or recover in any legal action or proceeding referred to in this Section any special, exemplary, punitive or consequential damages.

8.13 Acknowledgements. Each Grantor hereby acknowledges that:

(a) it has been advised by counsel in the negotiation, execution and delivery of this Agreement and the other Loan Documents to which it is a party;

(b) neither the Administrative Agent nor any Lender has any fiduciary relationship with or duty to any Grantor arising out of or in connection with this Agreement or any of the other Loan Documents, and the relationship between the Grantors, on the one hand, and the Administrative Agent and Lenders, on the other hand, in connection herewith or therewith is solely that of debtor and creditor; and

(c) no joint venture is created hereby or by the other Loan Documents or otherwise exists by virtue of the transactions contemplated hereby among the Lenders or among the Grantors and the Lenders.

8.14 WAIVER OF JURY TRIAL. EACH GRANTOR HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS AGREEMENT OR ANY OTHER LOAN DOCUMENT AND FOR ANY COUNTERCLAIM THEREIN.

8.15 Additional Grantors. Each Subsidiary of the Borrower that is required to become a party to this Agreement pursuant to Section 5.10 of the Credit Agreement shall become a Grantor for all purposes of this Agreement upon execution and delivery by such Subsidiary of an Assumption Agreement in the form of Annex 1 hereto.

8.16 Releases. (a) At such time as the Loans and the other Obligations shall have been paid in full and the Commitments have been terminated, the Collateral shall be released from the Liens created hereby, and this Agreement and all obligations (other than those expressly stated to survive such termination) of the Administrative Agent and each Grantor hereunder shall terminate, all without delivery of any instrument or performance of any act by any party, and all rights to the Collateral shall revert to the Grantors. At the request and sole expense of any Grantor following any such termination, the Administrative Agent shall deliver to such Grantor any Collateral held by the Administrative Agent hereunder, and execute and deliver to such Grantor such documents as such Grantor shall reasonably request to evidence such termination.

(b) If any of the Collateral shall be sold, transferred or otherwise disposed of by any Grantor in a transaction permitted by the Credit Agreement, then the Administrative Agent, at the request and sole expense of such Grantor, shall execute and deliver to such Grantor all releases or other documents reasonably necessary or desirable for the release of the Liens created hereby on such Collateral. At the request and sole expense of the Borrower, a Subsidiary Guarantor shall be released from its obligations hereunder in the event that all the Capital Stock of such Subsidiary Guarantor shall be sold, transferred or otherwise disposed of in a transaction permitted by the Credit Agreement.

IN WITNESS WHEREOF, each of the undersigned has caused this Guarantee and Collateral Agreement to be duly executed and delivered as of the date first above written.

HYUNDAI ELECTRONICS AMERICA

By: _____
Title:


SYMBIOS, INC.

By: _____
Title:

By: _____
Title:

IN WITNESS WHEREOF, each of the undersigned has caused this Guarantee and Collateral Agreement to be duly executed and delivered as of the date first above written.

HYUNDAI ELECTRONICS AMERICA

By: 
Title: C. S. PARK
PRESIDENT & CEO

SYMBIOS INC.

By: _____
Title:

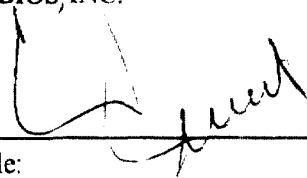
By: _____
Title:

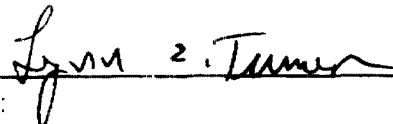
IN WITNESS WHEREOF, each of the undersigned has caused this Guarantee and Collateral Agreement to be duly executed and delivered as of the date first above written.

HYUNDAI ELECTRONICS AMERICA

By: _____
Title:

SYMBIOS, INC.

By:  _____
Title:

By:  _____
Title:

SCHEDULE 1

NOTICE ADDRESSES OF GUARANTORS

Symbios, Inc.
2001 Danfield Court
Fort Collins, CO 80525
Facsimile No.: 970-226-9626
Attn: Mr. Charlie Christ

Hyundai Electronics America
3101 North First Street
San Jose, California 95134
Facsimile No.: 408-232-8194
Attn: Dr. C.S. Park

with a copy to:

Gray Cary Ware & Freidenrich LLP
400 Hamilton Avenue
Palo Alto, CA 94301
Facsimile No.: (650) 327-3699
Attn: Gregory M. Gallo, Esq.
Rod J. Howard, Esq.

DESCRIPTION OF PLEDGED SECURITIES

Pledged Stock:

<u>Issuer</u>	<u>Class of Stock</u>	<u>Stock Certificate No.</u>	<u>No. of Shares</u>
Symbios, Inc.	Series A Preferred Stock	PA-0004	33,999,999
Symbios, Inc.	Common Stock	C-0310	1

Pledged Notes:

<u>Issuer</u>	<u>Payee</u>	<u>Principal Amount</u>
Hyundai Electronics America	Symbios, Inc.	\$150,000,000

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1191346-900000

PATENT
REEL: 9396 FRAME: 0540

ASSUMPTION AGREEMENT, dated as of _____, 199_, made by _____, a _____ corporation (the "Additional Grantor"), in favor of LEHMAN COMMERCIAL PAPER INC., as administrative agent (in such capacity, the "Administrative Agent") for the banks and other financial institutions (the "Lenders") parties to the Credit Agreement referred to below. All capitalized terms not defined herein shall have the meaning ascribed to them in such Credit Agreement.

W I T N E S S E T H :

WHEREAS, Symbios, Inc. (the "Borrower"), the Lenders and the Administrative Agent have entered into a Credit Agreement, dated as of February 26, 1998 (as amended, supplemented or otherwise modified from time to time, the "Credit Agreement");

WHEREAS, in connection with the Credit Agreement, the Borrower and certain of its Affiliates (other than the Additional Grantor) have entered into the Guarantee and Collateral Agreement, dated as of February 26, 1998 (as amended, supplemented or otherwise modified from time to time, the "Guarantee and Collateral Agreement") in favor of the Administrative Agent for the benefit of the Lenders;

WHEREAS, the Credit Agreement requires the Additional Grantor to become a party to the Guarantee and Collateral Agreement; and

WHEREAS, the Additional Grantor has agreed to execute and deliver this Assumption Agreement in order to become a party to the Guarantee and Collateral Agreement;

NOW, THEREFORE, IT IS AGREED:

1. Guarantee and Collateral Agreement. By executing and delivering this Assumption Agreement, the Additional Grantor, as provided in Section 8.15 of the Guarantee and Collateral Agreement, hereby becomes a party to the Guarantee and Collateral Agreement as a Grantor thereunder with the same force and effect as if originally named therein as a Grantor and, without limiting the generality of the foregoing, hereby expressly assumes all obligations and liabilities of a Grantor thereunder. The information set forth in Annex 1-A hereto is hereby added to the information set forth in Schedules _____ **** to

**** Refer to each Schedule which needs to be supplemented

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the Guarantee and Collateral Agreement. The Additional Grantor hereby represents and warrants that each of the representations and warranties contained in Section 4 of the Guarantee and Collateral Agreement is true and correct on and as the date hereof (after giving effect to this Assumption Agreement) as if made on and as of such date.

2. GOVERNING LAW. THIS ASSUMPTION AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

IN WITNESS WHEREOF, the undersigned has caused this Assumption Agreement to be duly executed and delivered as of the date first above written.

[ADDITIONAL GRANTOR]

By: _____

Name:

Title:

SCHEDULE 6

INTELLECTUAL PROPERTY

U.S. Patents and Patent Applications

see attached

U.S. Trademarks and Trademark Applications

see attached

U.S. Copyrights

see attached

Symbios Logic Inc. - Granted Patents

28-Oct-97

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
Canada				
	Liquid Crystal Display Device	1046618	16-Jan-1979	Granted
	Method of Manufacturing A Dielectrically Isolated Semiconductive Device	1051123	20-Mar-1979	Granted
	Improvements in Microelectronic Circuit Coating System	1059648	31-Jul-1979	Granted
	Ribbon Cassette with Bi-Color Capability	1071172	05-Feb-1980	Granted
	Improvements in Contact Configuration for Semiconductor Processing	1076266	22-Apr-1980	Granted
	Improvements in Electrically Alterable Memory Cell	1081802	15-Jul-1980	Granted
	Solenoid Driver Circuit	1083662	12-Aug-1980	Granted
	Wear Minimizing Means for Printing Mechanism	1096234	24-Feb-1981	Granted
	Solenoid Driver Circuit	1100572	05-May-1981	Granted
	Vibration Dampening Means for Printing Mechanism	1106689	11-Aug-1981	Granted

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CountryName	Title	Patent Number	Issue Date	Status
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	1243425	18-Oct-1988	Granted
	A Floating Gate Device Using a Composite Dielectric	1247740	28-Dec-1988	Granted
	Formation of Self-aligned Stacked CMOS Structures by Lift-Off	1252222	04-Apr-1989	Granted
	Digitally Controlled Delay Circuit	1271816	17-Jul-1990	Granted
	A Fabrication Process for Aligned and Stacked CMOS Devices	1295534	11-Feb-1992	Granted
	Bus Executed Scan Testing Method and Apparatus	1296109	18-Feb-1992	Granted
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	1295421	24-Feb-1992	Granted
	Digital System and Method for Compressing Speech Signals for Storage and Transmission	1307590	15-Sep-1992	Granted
France				
	Static Volatile/Non-Volatile RAM Cell	0,041,520	05-Feb-1986	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Clipped Speech-Linear Predictive Coding Speech Processor	0,096,712	11-Jun-1986	Granted
	Crystallized Silicon-on-Insulator Nonvolatile Memory Device	0,140,965	13-Jan-1988	Granted
	EAROM Cell Matrix and Logic Arrays with Common Memory Gate	0,067,872	17-Feb-1988	Granted
	A Read Only Memory Device Incorporating and X-and-or Array	0,134,237	24-Aug-1988	Granted
	Fault Tolerant Memory	0,199,744	11-Apr-1990	Granted
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	0,245,363	02-Jan-1991	Granted
	Current Sinking Responsive MOS Sense Amplifier	0,237,654	02-Jan-1991	Granted
	Multiple Photresist Layer Process Using Selective Hardening	0,193,543	10-Apr-1991	Granted
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	0,245,493	19-Jun-1991	Granted
	A Fabrication Process for Aligned and Stacked CMOS Devices	0,258,396	18-Mar-1992	Granted

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PATENT
REEL: 9396 FRAME: 0546

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Digital System and Method for Compressing Speech Signals for Storage and Transmission	0,275,273	26-Aug-1992	Granted
	Surface Mount Electronic Device Package	0,334,933	02-Jun-1993	Granted
	Formation of Self-aligned Stacked CMOS Structures by Lift-Off	0,276,292	11-Oct-1993	Granted
	Digital Frequency Divider	0,373,768	20-Apr-1994	Granted
	Bus Executed Scan Testing Method and Apparatus	0,388,001	17-May-1995	Granted
	Method and Apparatus for Generating Disk Array Interrupt Signals	0 508 602	04-Jun-1997	Granted
	Multiple Channel Data Bus Routing Switch Including Parity Generation Capabilities	0 514 195	13-Aug-1997	Granted
	Supply Connection Integrity Monitor	0 436 358	24-Sep-1997	Granted
Germany				
	Random Access Memory Imaging System	3069786.0	12-Dec-1984	Granted
	Static Volatile/Non-Volatile RAM Cell	3071414.8	05-Feb-1986	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Nonvolatile Multilayer Gate Semiconductor Memory Device	3271603.6	04-Jun-1986	Granted
	Clipped Speech-Linear Predictive Coding Speech Processor	3271705.0	11-Jun-1986	Granted
	MOS Sense Amplifier	3272248.6	30-Jul-1986	Granted
	Transparent Instruction Word Bus and Memory System	3365615.0	27-Aug-1986	Granted
	Method of Making CMOS Device and Contacts Therein by Enhanced Oxidation of Selectively Implanted Rations	3367823.5	20-Nov-1986	Granted
	Sense Amplifier	3368477.4	17-Dec-1986	Granted
	Method for Making Low Leakage Polycrystalline Silicon-to-Substrate Contacts	3277152.5	02-Sep-1987	Granted
	Unified CMOS/SNOS Semiconductor Fabrication Process	3466320.7	16-Sep-1987	Granted
	High Voltage Pass Circuit	3374735.0	25-Nov-1987	Granted
	Crystallized Silicon-on-Insulator Nonvolatile Memory Device	3468768.8	13-Jan-1988	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Epitaxial Contact Fabrication Process	3375538.8	27-Jan-1988	Granted
	EAROM Cell Matrix and Logic Arrays with Common Memory Gate	3176655.2	17-Feb-1988	Granted
	Oxide Trench Structure for MOS Gate or Interconnection Applications	3470253.9	30-Mar-1988	Granted
	A Read Only Memory Device Incorporating and X- and-or Array	3473674.3	24-Aug-1988	Granted
	Process for Fabricating a Bipolar Transistor with a Thin Base and an Abrupt Base-Collector Junction	3475247.1	17-Nov-1988	Granted
	Direct-Write Silicon Nitride EEPROM Cell	3567773.2	18-Jan-1989	Granted
	Integrated Circuit + - Voltage Multiplier for Extended Operating Temperature Ranges	3379434.0	15-Mar-1989	Granted
	Method of Making Coplanar MOS IC Structures	3279613.7	12-Apr-1989	Granted
	High Density, Low Power, Merged Vertical Fuse/Bipolar Transistor Device and Method of Fabrication	3569636.2	19-Apr-1989	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method for Forming Trench Isolation Structures	3571893.5	26-Jul-1989	Granted
	Method for Forming Channel Stops in Vertical Semiconductor Surfaces	3574077.9	02-Nov-1989	Granted
	Fault Tolerant Memory	3577151.8	11-Apr-1990	Granted
	Use of Selectively Deposited Tungsten for Contact Formation and Shunting Metalization	3673775.5	29-Aug-1990	Granted
	Negative Input Voltage CMOS Circuit	3674527.8	26-Sep-1990	Granted
	Digitally Compensated Multiplying Digital To Analog Converter	3674520.0	26-Sep-1990	Granted
	Circuit and Method for Regulating the Current Flow in a Distributorless Ignition System Coil	690 27 094	06-Nov-1990	Granted
	Nonvolatile Differential Memory Device and Method	690 29 791.	06-Nov-1990	Granted
	CMOS Memory Margining Control Circuit for a Nonvolatile Memory	3766054.3	07-Nov-1990	Granted
	Formation and Planarization of Silicon-on-Insulator Structures	3483717.5	05-Dec-1990	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Current Sinking Responsive MOS Sense Amplifier	3483836.8	02-Jan-1991	Granted
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	3676500.7	02-Jan-1991	Granted
	Multiple Photresist Layer Process Using Selective Hardening	3582491.3	10-Apr-1991	Granted
	Trench Filing and Planarization Process	3770727.2	12-Jun-1991	Granted
	Two Transistors Full Wave Rectifier	3770806.6	12-Jun-1991	Granted
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	3679904.1	19-Jun-1991	Granted
	Programmable Read-Only Memory Using a Tungsten Fuse	3771629.8	24-Jul-1991	Granted
	Method and Apparatus for Controlling Noise on Power Supply Buses	69120901	25-Oct-1991	Granted
	Nonvolatile Multiconfigurible Circuit	3774683.9	21-Nov-1991	Granted
	Shared Line Direct Write Nonvolatile Memory cell Array	3775379.7	18-Dec-1991	Granted

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PATENT
REEL: 9396 FRAME: 0551

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Silica-Based Anti-Reflective Planarizing Layer	692 13 482.	06-Jan-1992	Granted
	A Fabrication Process for Aligned and Stacked CMOS Devices	3777497.2	18-Mar-1992	Granted
	Digital System and Method for Compressing Speech Signals for Storage and Transmission	3781393.5	26-Aug-1992	Granted
	Integrated Circuit Contact Fabrication Process	3874522.4	09-Sep-1992	Granted
	Logical Drawing and Transparency Circuits for Bit Mapped Video Display Controllers	3881203.7	19-May-1993	Granted
	Surface Mount Electronic Device Package	3881509.5	02-Jun-1993	Granted
	Mosfet Processing Using Implantation Through Silicon	3786785.7	28-Jul-1993	Granted
	Semiconductor Field Oxide Formation Process Using a Sealing Sidewall of Consumable Nitride	3884151.7	16-Sep-1993	Granted
	Selective Deposition Process	3689073.1	22-Sep-1993	Granted
	Matched Current Source Serial Bus Driver	3941531.7	06-Oct-1993	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Formation of Self-aligned Stacked CMOS Structures by Lift-Off	3788120.5	11-Oct-1993	Granted
	Buffer Circuit with Load Sensitive Transition Control	68912277.2	12-Jan-1994	Granted
	Digital Frequency Divider	68914805.4	20-Apr-1994	Granted
	Method of Making Asymmetrically Optimized CMOS Field Effect Transistors	69014707.4	07-Dec-1994	Granted
	High Speed Nonvolatile Memory Cell	3750872.5	14-Dec-1994	Granted
	Bus Executed Scan Testing Method and Apparatus	69019402.1-	17-May-1995	Granted
	Integrated Circuit Driver for Serial Bus Having Output Overvoltage Protection	DE 41 07 33	14-Dec-1995	Granted
	High Frequency Integrated Circuit Channel Capacitor	0377502	20-Dec-1995	Granted
	High Speed CMOS Flip-Flop Employing Clocked Tristate Inverters	691 23 100	13-Nov-1996	Granted
	Isolation of Regions in a CMOS Structure Using Selective Epitaxial Growth	0 354 226	05-Mar-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method and Apparatus for Generating Disk Array Interrupt Signals	69220134.8	04-Jun-1997	Granted
	Multiple Channel Data Bus Routing Switch Including Parity Generation Capabilities	0 514 195	13-Aug-1997	Granted
	High Speed, Low Power Input/Output Circuit for a Multi-Chip Module	0 620 649	10-Sep-1997	Granted
	Supply Connection Integrity Monitor	0 436 358	24-Sep-1997	Granted
Israel				
	Fault Tolerant Memory	76431	02-Jul-1989	Granted
Italy				
	Circuit and Method for Regulating the Current Flow in a Distributorless Ignition System Coil	0 428 315	06-Nov-1990	Granted
Japan				
	Improvements in Electrically Alterable Memory Cell	1,271,436	25-Jun-1985	Granted
	Multiple Photresist Layer Process Using Selective Hardening	2049520	07-Aug-1985	Granted
	Fault Tolerant Memory	2027997	18-Sep-1985	Granted

Symbios Logic Inc. Confidential

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<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Digitally Compensated Multiplying Digital To Analog Converter	2081471	07-Feb-1986	Granted
	Alterable Capacitor Memory Array	1,309,612	26-Mar-1986	Granted
	Ribbon Cassette with Bi- Color Capability	1,330,811	14-Aug-1986	Granted
	Non-volatile Random Access Memory Cell	1,330,803	14-Aug-1986	Granted
		1,494,411	20-Apr-1989	Expired
	Topography for Integrated Circuit Frame Control Chip	1,497,449	29-May-1989	Granted
	Method of Manufacturing A Dielectrically Isolated Semiconductive Device	1,577,659	13-Sep-1990	Granted
	Random Access Memory Imaging System	1,658,939	21-Apr-1992	Granted
	MOS Sense Amplifier	1,681,630	31-Jul-1992	Granted
	Transparent Instruction Word Bus and Memory System	1,688,471	11-Aug-1992	Granted
	Sense Amplifier	1,713,794	27-Nov-1992	Granted
	Clipped Speech-Linear Predictive Coding Speech Processor	1,720,775	14-Dec-1992	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Crystallized Silicon-on-Insulator Nonvolatile Memory Device	1,776,496	28-Jul-1993	Granted
	EAROM Cell Matrix and Logic Arrays with Common Memory Gate	1,782,349	13-Aug-1993	Granted
	Process for Fabricating a Bipolar Transistor with a Thin Base and an Abrupt Base-Collector Junction	1,782,374	13-Aug-1993	Granted
	Method for Making Low Leakage Polycrystalline Silicon-to-Substrate Contacts	1,801,520	12-Nov-1993	Granted
	Method of Making Coplanar MOS IC Structures	1,819,799	27-Jan-1994	Granted
	Nonvolatile Multilayer Gate Semiconductor Memory Device	1,835,099	11-Apr-1994	Granted
	Self-Aligned Al-N + Polysilicon CMOS Process	1,835,093	11-Apr-1994	Granted
	Method for Forming Channel Stops in Vertical Semiconductor Surfaces	1,897,929	23-Jan-1995	Granted
	Formation and Planarization of Silicon-on-Insulator Structures	1913942	23-Mar-1995	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Integrated Circuit + - Voltage Multiplier for Extended Operating Temperature Ranges	1913941	23-Mar-1995	Granted
	High Voltage Pass Circuit	1935714	26-May-1995	Granted
	High Density, Low Power, Merged Vertical Fuse/Bipolar Transistor Device and Method of Fabrication	1,935,805	26-May-1995	Granted
	A Read Only Memory Device Incorporating and X- and-or Array	1,945,400	23-Jun-1995	Granted
	Epitaxial Contact Fabrication Process	1957565	10-Aug-1995	Granted
	Method for Forming Trench Isolation Structures	1957602	10-Aug-1995	Granted
	Unified CMOS/SNOS Semiconductor Fabrication Process	2000421	20-Dec-1995	Granted
	Two Bit Vertically/Horizontally Integrated Memory Cell	2503219	02-Apr-1996	Granted
	Two Transistors Full Wave Rectifier	2517740	17-May-1996	Granted
	Negative Input Voltage CMOS Circuit	2560018	19-Sep-1996	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	2103873	06-Nov-1996	Granted
	Shared Line Direct Write Nonvolatile Memory cell Array	2585669	05-Dec-1996	Granted
	Use of Selectively Deposited Tungsten for Contact Formation and Shunting Metalization	2113661	06-Dec-1996	Granted
	Circuit for Initiating Test Modes	2125943	28-Jan-1997	Granted
	Oxide Trench Structure for MOS Gate or Interconnection Applications	2605008	13-Feb-1997	Granted
Korea, South				
	Clock Generating Circuit for Asynchronous Pulses	77206	07-Sep-1994	Granted
	Memory Control System and Method	81047	04-Jan-1995	Granted
	Digital Frequency Divider	81107	06-Jan-1995	Granted
	Circuit and Method for Regulating the Current Flow in a Distributorless Ignition System Coil	84690	11-May-1995	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
Netherlands				
	Random Access Memory Imaging System	0,028,642	12-Dec-1984	Granted
	Static Volatile/Non-Volatile RAM Cell	0,041,520	05-Feb-1986	Granted
	Nonvolatile Multilayer Gate Semiconductor Memory Device	0,096,062	04-Jun-1986	Granted
	Clipped Speech-Linear Predictive Coding Speech Processor	0,096,712	11-Jun-1986	Granted
	MOS Sense Amplifier	0,076,832	30-Jul-1986	Granted
	Transparent Instruction Word Bus and Memory System	0,110,972	27-Aug-1986	Granted
	Method of Making CMOS Device and Contacts Therein by Enhanced Oxidation of Selectively Implanted Rations	0,118,513	20-Nov-1986	Granted
	Sense Amplifier	0,116,088	17-Dec-1986	Granted
	Method for Making Low Leakage Polycrystalline Silicon-to-Substrate Contacts	0,087,472	02-Sep-1987	Granted
	Unified CMOS/SNOS Semiconductor Fabrication Process	0,144,401	16-Sep-1987	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	High Voltage Pass Circuit	0,120,939	25-Nov-1987	Granted
	Crystallized Silicon-on-Insulator Nonvolatile Memory Device	0,140,965	13-Jan-1988	Granted
	Epitaxial Contact Fabrication Process	0,118,511	27-Jan-1988	Granted
	Oxide Trench Structure for MOS Gate or Interconnection Applications	0,138,978	30-Mar-1988	Granted
	A Read Only Memory Device Incorporating and X-and-or Array	0,134,237	24-Aug-1988	Granted
	Process for Fabricating a Bipolar Transistor with a Thin Base and an Abrupt Base-Collector Junction	0,165,971	17-Nov-1988	Granted
	Direct-Write Silicon Nitride EEPROM Cell	0,198,040	18-Jan-1989	Granted
	Integrated Circuit + Voltage Multiplier for Extended Operating Temperature Ranges	0,128,947	15-Mar-1989	Granted
	Method of Making Coplanar MOS IC Structures	0,087,462	12-Apr-1989	Granted
	High Density, Low Power, Merged Vertical Fuse/Bipolar Transistor Device and Method of Fabrication	0,172,193	19-Apr-1989	Granted

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<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method for Forming Trench Isolation Structures	0,200,771	26-Jul-1989	Granted
	Method for Forming Channel Stops in Vertical Semiconductor Surfaces	0,204,752	02-Nov-1989	Granted
	Fault Tolerant Memory	0,199,744	11-Apr-1990	Granted
	Use of Selectively Deposited Tungsten for Contact Formation and Shunting Metalization	0,225,920	29-Aug-1990	Granted
	Digitally Compensated Multiplying Digital To Analog Converter	0,215,821	26-Sep-1990	Granted
	Negative Input Voltage CMOS Circuit	0,218,710	26-Sep-1990	Granted
	Nonvolatile Differential Memory Device and Method	0 430 455	06-Nov-1990	Granted
	CMOS Memory Margining Control Circuit for a Nonvolatile Memory	0,259,444	07-Nov-1990	Granted
	Formation and Planarization of Silicon-on-Insulator Structures	0,146,613	05-Dec-1990	Granted
	Current Sinking Responsive MOS Sense Amplifier	0,237,654	02-Jan-1991	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Multiple Photresist Layer Process Using Selective Hardening	0,193,543	10-Apr-1991	Granted
	Two Transistors Full Wave Rectifier	0,277,193	12-Jun-1991	Granted
	Trench Filing and Planarization Process	0,258,311	12-Jun-1991	Granted
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	0,245,493	19-Jun-1991	Granted
	Programmable Read-Only Memory Using a Tungsten Fuse	0,262,193	24-Jul-1991	Granted
	Method and Apparatus for Controlling Noise on Power Supply Buses	0,487,212	25-Oct-1991	Granted
	Nonvolatile Multiconfigurible Circuit	0,275,286	21-Nov-1991	Granted
	Shared Line Direct Write Nonvolatile Memory cell Array	0,281,597	18-Dec-1991	Granted
	A Fabrication Process for Aligned and Stacked CMOS Devices	0,258,396	18-Mar-1992	Granted
	Integrated Circuit Contact Fabrication Process	0,336,951	09-Sep-1992	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Logical Drawing and Transparency Circuits for Bit Mapped Video Display Controllers	0,342,223	19-May-1993	Granted
	Semiconductor Field Oxide Formation Process Using a Sealing Sidewall of Consumable Nitride	0,318,555	15-Sep-1993	Granted
	Selective Deposition Process	0,248,883	22-Sep-1993	Granted
	Formation of Self-aligned Stacked CMOS Structures by Lift-Off	0,276,292	11-Oct-1993	Granted
	Buffer Circuit with Load Sensitive Transition Control	0,368,524	12-Jan-1994	Granted
	Digital Frequency Divider	0,373,768	20-Apr-1994	Granted
	Method of Making Asymmetrically Optimized CMOS Field Effect Transistors	0 396 357	07-Dec-1994	Granted
	High Speed Nonvolatile Memory Cell	0 282 528	14-Dec-1994	Granted
	High Frequency Integrated Circuit Channel Capacitor	0377502	20-Dec-1995	Granted
	Isolation of Regions in a CMOS Structure Using Selective Epitaxial Growth	0 354 226	05-Mar-1997	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	High Speed, Low Power Input/Output Circuit for a Multi-Chip Module	0 620 649	10-Sep-1997	Granted
	Supply Connection Integrity Monitor	0 436 358	24-Sep-1997	Granted
Taiwan				
	Digital Frequency Divider	NI-45472	21-Mar-1991	Granted
	Compensation of Stylus Signals in Digitizing Tablet	NI-079321	10-Aug-1995	Granted
	Telemetry by Digitizer Stylus		01-Feb-1997	Granted
	Architectural Arrangement for a Videosever	NI-085075	01-Apr-1997	Granted
United Kingdom				
	Method of Manufacturing A Dielectrically Isolated Semiconductive Device	1,527,804	10-Jan-1979	Granted
	Non-volatile Random Access Memory Cell	1,547,940	05-Sep-1979	Granted
	Random Access Memory Imaging System	0,028,642	12-Dec-1984	Granted
	Static Volatile/Non-Volatile RAM Cell	0,041,520	05-Feb-1986	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Nonvolatile Multilayer Gate Semiconductor Memory Device	0,096,062	04-Jun-1986	Granted
	Clipped Speech-Linear Predictive Coding Speech Processor	0,096,712	11-Jun-1986	Granted
	MOS Sense Amplifier	0,076,832	30-Jul-1986	Granted
	Transparent Instruction Word Bus and Memory System	0,110,972	27-Aug-1986	Granted
	Method of Making CMOS Device and Contacts Therein by Enhanced Oxidation of Selectively Implanted Rations	0,118,513	20-Nov-1986	Granted
	Sense Amplifier	0,116,088	17-Dec-1986	Granted
	Method for Making Low Leakage Polycrystalline Silicon-to-Substrate Contacts	0,087,472	02-Sep-1987	Granted
	Unified CMOS/SNOS Semiconductor Fabrication Process	0,144,401	16-Sep-1987	Granted
	High Voltage Pass Circuit	0,120,939	25-Nov-1987	Granted
	Epitaxial Contact Fabrication Process	0,118,511	27-Jan-1988	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	EAROM Cell Matrix and Logic Arrays with Common Memory Gate	0,067,872	17-Feb-1988	Granted
	Oxide Trench Structure for MOS Gate or Interconnection Applications	0,138,978	30-Mar-1988	Granted
	A Read Only Memory Device Incorporating and X-and-or Array	0,134,237	24-Aug-1988	Granted
	Process for Fabricating a Bipolar Transistor with a Thin Base and an Abrupt Base-Collector Junction	0,165,971	17-Nov-1988	Granted
	Direct-Write Silicon Nitride EEPROM Cell	0,198,040	18-Jan-1989	Granted
	Integrated Circuit + - Voltage Multiplier for Extended Operating Temperature Ranges	0,128,947	15-Mar-1989	Granted
	Method of Making Coplanar MOS IC Structures	0,087,462	12-Apr-1989	Granted
	High Density, Low Power, Merged Vertical Fuse/Bipolar Transistor Device and Method of Fabrication	0,172,193	19-Apr-1989	Granted
	Method for Forming Trench Isolation Structures	0,200,771	26-Jul-1989	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Method for Forming Channel Stops in Vertical Semiconductor Surfaces	0,204,752	02-Nov-1989	Granted
	Fault Tolerant Memory	0,199,744	11-Apr-1990	Granted
	Digitally Compensated Multiplying Digital To Analog Converter	0,215,821	26-Sep-1990	Granted
	Circuit and Method for Regulating the Current Flow in a Distributorless Ignition System Coil	0 428 315	06-Nov-1990	Granted
	Nonvolatile Differential Memory Device and Method	0 430 455	06-Nov-1990	Granted
	CMOS Memory Margining Control Circuit for a Nonvolatile Memory	0,259,444	07-Nov-1990	Granted
	Formation and Planarization of Silicon-on-Insulator Structures	0,146,613	05-Dec-1990	Granted
	Current Sinking Responsive MOS Sense Amplifier	0,237,654	02-Jan-1991	Granted
	Amplitude Enhanced Sampled Clipped Speech Encoder and Decoder	0,245,363	02-Jan-1991	Granted
	Multiple Photresist Layer Process Using Selective Hardening	0,193,543	10-Apr-1991	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Trench Filing and Planarization Process	0,258,311	12-Jun-1991	Granted
	Two Transistors Full Wave Rectifier	0,277,193	12-Jun-1991	Granted
	Two Mask Technique for Planarized Trench Oxide Isolation of Integrated Devices	0,245,493	19-Jun-1991	Granted
	Programmable Read-Only Memory Using a Tungsten Fuse	0,262,193	24-Jul-1991	Granted
	Nonvolatile Multiconfigurable Circuit	0,275,286	21-Nov-1991	Granted
	Shared Line Direct Write Nonvolatile Memory cell Array	0,281,597	18-Dec-1991	Granted
	Silica-Based Anti-Reflective Planarizing Layer	0,494,744	06-Jan-1992	Granted
	A Fabrication Process for Aligned and Stacked CMOS Devices	0,258,396	18-Mar-1992	Granted
	Random Access Memory Device with Integral Logic Capability	2225657	01-Jul-1992	Granted
	Digital System and Method for Compressing Speech Signals for Storage and Transmission	0,275,273	26-Aug-1992	Granted

<u>CountryName</u>	<u>Title</u>	<u>Patent Number</u>	<u>Issue Date</u>	<u>Status</u>
	Integrated Circuit Contact Fabrication Process	0,336,951	09-Sep-1992	Granted
	Logical Drawing and Transparency Circuits for Bit Mapped Video Display Controllers	0,342,223	19-May-1993	Granted
	Surface Mount Electronic Device Package	0,334,933	02-Jun-1993	Granted
	Mosfet Processing Using Implantation Through Silicon	0,289,534	28-Jul-1993	Granted
	Semiconductor Field Oxide Formation Process Using a Sealing Sidewall of Consumable Nitride	0,318,555	15-Sep-1993	Granted
	Selective Deposition Process	0,248,883	22-Sep-1993	Granted
	Formation of Self-aligned Stacked CMOS Structures by Lift-Off	0,276,292	11-Oct-1993	Granted
	Buffer Circuit with Load Sensitive Transition Control	0,368,524	12-Jan-1994	Granted
	Digital Frequency Divider	0,373,768	20-Apr-1994	Granted
	Method of Making Asymmetrically Optimized CMOS Field Effect Transistors	0,396,357	07-Dec-1994	Granted

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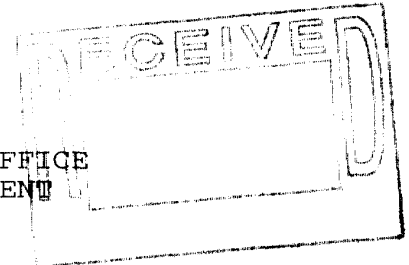
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