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SCHEDULE A
PATENTS AND PATENT APPLICATIONS

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	PROCESS FOR REMEDIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	07/973,236 11/10/1992	5,284,503 2/8/1994	BITLER, John A. BARANSKI, J.	Exide Corporation
US	PROCESS FOR REMEDIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	08/149,340 11/9/1993	5,370,724 12/6/1994	BITLER, John A. BARANSKI, J.	Exide Corporation
US	PROCESS FOR REMEDIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	08/478,617 6/7/1995	5,788,735 8/4/1998	BITLER, John A. BARANSKI, J.	Exide Corporation
US	BATTERY PLATE SEPARATOR ENVELOPE AND METHOD OFFORMING BATTERY PLATE ASSEMBLIES INCLUDING THESAME	08/502,866 7/14/1995	5,616,434 4/1/1997	REDDEN, Galen LUZADER, R.	Exide Corporation
US	METHOD OF FORMING BATTERY PLATE ASSEMBLIES FORWET STORAGE CELL BATTERIES	08/567,908 12/6/1995	5,607,484 3/4/1997	REDDEN, Galen LUZADER, R.	Exide Corporation
US	PROCESS FOR THE DESTRUCTION OF CHEMICALAGENTS AND MUNITIONS	08/715,486 9/18/1996	5,711,017 1/20/1998	BITLER, John A. BARANSKI, J. LARSON, H.	Exide Corporation
US	NOZZLE ASSEMBLY FOR INJECTION MOLDING APPARATUS	08/797,732 2/11/1997	5,851,565 12/22/1998	GARVER, Jerry L.HUDACK, G.	Exide Corporation
US	POSITIVE GRID ALLOYS	08/839,302 4/18/1997	5,834,141 11/10/1998	ANDERSON, Carl FERES, F.	Exide Corporation
US	CORROSION RESISTANT BATTERY TERMINAL	08/311,902 9/26/1994		CARIDEI, Robert	Exide Corporation
US	AUTOMOBILE BATTERIES WITH INHERENT IMMOBILIZERS	08/924,955 9/8/1997	5,963,018 10/5/1999	GUTHRIE, Allan A.	Exide Batteries Ltd.
US	PROCESS AND SYSTEM FOR THE ON-SITE REMDEIATIONOF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	08/149,343 11/9/1993	5,439,498 8/8/1995	BITLER, John A. BARANSKI, J.	Exide Corporation
US	FLOODED LEAD ACID BATTERY WITH TILT-OVER CAPABILITY	09/102,902 6/23/1998	6,045,940 4/4/2000	FERES, Fred F.	Exide Corporation
US	FLOODED LEAD ACID BATTERY WITH ROLL-OVER CAPABILITY	09/042,720 3/17/1998	6,110,617 8/29/2000	FERES, Fernando	Exide Corporation
US	BATTERY GANG VENT SYSTEM	08/348,138 11/23/1994	5,565,282 10/15/1996	FERES, Fred F. HUDACK, G.	Exide Corporation
US	SEASONAL USE LEAD ACID ELECTRICAL STORAGE BATTERY	08/433,743 5/3/1995	5,558,960 9/24/1996	MITCHELL, Howard E.	Exide Corporation
US	Novel Sealed Lead-Acid Cell Having A Novel Lug, And End Cover Assembly	07/803,349 12/4/1991	5,227,266 7/13/1993	SHAFFER, DAVID M. JERGL, JOSEPH J.	Exide Corporation
US	PROCESS FOR REMDEIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	08/616,761 3/15/1996		BITLER, John A. BARANSKI, J.	Exide Corporation

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US	PROCESS FOR THE REMEDIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASINGS	08/715,340 9/18/1996	5,766,303 6/16/1998	BITLER, John A. BARANSKI, J.	Exide Corporation
US	STORAGE BATTERY STATE-OF-CHARGE INDICATOR	08/279,798 7/25/1994	5,496,658 3/5/1996	HEIN, Edward R. HUDACK, G. BEAR, J. CRONRATH, S.	Exide Corporation
US	PHOTOVOLTAIC SOLAR CELL LAMINATED IN VEHICLE WINDSHIELD	08/663,376 6/13/1996	5,602,457 2/11/1997	ANDERSON, Carl J. MITCHELL, H.	Exide Corporation
US	MAIN AND RESERVE BATTERY CONSTRUCTION	07/508,714 4/16/1990		MUSGROVE, Edward R.	Exide Corporation
US	ROTARY EXPANDED GRID CUTTER AND RELATED PROCESS	08/143,785 11/1/1993	5,375,446 12/27/1994	HEIN, Edward R.	Exide Corporation
US	BATTERY STRAP HANDLE	08/574,186 12/18/1995	5,670,274 9/23/1997	FORRER, Larry L.	Exide Corporation
US	PROCESS FOR REMEDIATION OF LEAD-CONTAMINATED SOIL AND WASTE BATTERY CASING	08/353,298 12/5/1994		BITLER, John A. BARANSKI, J.	Exide Corporation
US	ROLLERLESS PLATE-FEEDING APPARATUS	08/715,405 9/18/1996	5,775,871 7/7/1998	REDDEN, Galen M.	Exide Corporation
US	MANIFOLD VENTED BATTERY COVER	221,088 12/29/1980	4,371,591 2/1/1983	OXENREIDER , Terry R. BUSH, H.	Exide Corporation
US	CHEM DE MIL WITH METHANOL CONVERSION	08/880,069 6/20/1997		BITLER, John BARAJSKI, J. LARSON, H.	Exide Corporation
US	PROCESS FOR RECOVERING METALS FROM ELECTRIC ARC FURNACE (EAF) DUST	08/799,190 2/12/1997		BITLER, John A. BARANSKI, J. LARSON, H.	Exide Corporation
US	PROCESS FOR RECOVERING METALS FROM ELECTRIC ARC FURNACE (EAF) DUST	08/946,583 10/7/1997	5,942,023 8/24/1999	BITLER, John A. BARANSK, J. LARSON, H.	Exide Corporation
US	PROCESS FOR THE DESTRUCTION OF CHEMICAL AGENTSAND MUNITIONS	09/100,126 6/19/1998		BITLER, John BAVANSKY, J. LARSON, H.	Exide Corporation
US	ACTIVE BATTERY COOLING DEVICE	09/032,064 2/27/1998		ANDERSON, Carl J. COULTER, P.	Exide Corporation
US	Antimony-Arsenic-Tin-Selenium-Lead-Based Strap Alloys For Lead-Acid Batteries	07/675,290 3/26/1991	5,169,734 12/8/1992	RAO, PURUSHOTHAMA LARSEN, STEVEN P.	Exide Corporation
US	Battery Comprising Dual Terminal Bushings	06/770,946 8/30/1985	4,645,725 2/24/1987	KUMP, WILLIAM H.JERGL, JOSEPH J.	Exide Corporation
US	Plastic Battery Container Having Reduced End Wall Deflection	09/017,899 2/3/1998	6,183,903 2/6/2001	CAMPBELL, KRIS KOPALA, JOHN E.	Exide Corporation

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	Method Of Making Lead-Acid Cell-To-Cell Connections And The Resulting Battery	08/902,839 7/30/1997	5,908,714 6/1/1999	LUND, DAVID L. LAWRENCE, THOMAS E. KUMP, WILLIAM H.	Exide Corporation
US	Lead-Acid Battery Designed To Readily Receive Charging Leads	08/961,623 10/31/1997	6,025,088 2/15/2000	KUMP, WILLIAM H.	Exide Corporation
US	Family Of Lead-Acid Batteries Using A Standardized ContainerAnd Having Voltage That Can Be Preselected As Necessary	09/354,071 7/15/1999	6,225,006 5/1/2001	KUMP, WILLIAM H.PETERSON, STEVEN R.	Exide Corporation
US	Hydrometallurgical Process For Treating Alloys And Drosses To Recover The Metal Components	09/184,376 11/2/1998	6,117,209 9/12/2000	ADANUVOR, PROSPER K.	Exide Corporation
US	Hydrometallurgical Processes For Recovering Tin, And Lead	09/625,157 7/25/2000		ADANUVOR, PROSPER K.	Exide Technologies
US	Snap-On Battery Heat Shield	09/067,833 4/28/1998	5,985,482 11/16/1999	HORTON, ANTHONY MILLER, JOHN KUMP, WILLIAM H.PETERSON, STEVEN	Exide Corporation
US	Vent Plug Having An Integral Seal	09/175,746 10/20/1998	6,146,784 11/14/2000	HAKARINE, DUANE D.	Exide Corporation
US	Detachable Battery Handle Assembly	09/069,585 4/29/1998	6,117,588 9/12/2000	CAMPBELL, KRIS KOPALA, JOHN E.	Exide Corporation
US	Apparatus And Method For Fusing Battery Terminals With Imporved Induction Heating Power Control	06/533,079 9/19/1983	4,501,943 2/26/1985	LUND, DAVID L.	Exide Corporation
US	Frame For Modular, Multicell Lead-Acid Batteries And Such Modular Batteries	07/680,809 3/26/1991	5,126,217 6/30/1992	RAO, PURUSHOTHAMA	Exide Corporation
US	Cell Tray Assembly And Cover System For Lead-Acid Cells And Batteries	09/232,321 1/18/1999	6,120,934 9/19/2000	LINNING, ROBERT E., JR.STONE, BRADLEY W.	Exide Corporation
US	Battery Carrying Handle	06/770,944 8/30/1985	4,632,888 12/30/1986	Kump, William H.JERGL, JOSEPH J.	Exide Corporation
US	Battery Power System For A Vehicle	08/751,846 11/18/1996	5,767,658 6/16/1998	HAYES, GARY M.	Exide Corporation
US	Battery Power System For Vehicles	09/049,506 3/27/1998	5,986,431 11/16/1999	HAYES, GARY M.	Exide Corporation
US	Battery State Of Charge Indicator	07/518,181 5/3/1990	5,132,176 7/21/1992	VALENTINE, THEODORE W. FIEDLER, ALLEN F. SZYMBORSKI, JOSEPH EGGERS, MARK L.	Exide Corporation

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	Detachable Rope Battery Handle Assembly	09/197,022 11/20/1998	6,177,211 1/23/2001	LAWRENCE, THOMAS E.	Exide Corporation
US	Method For Making Lead-Acid Grids And Cells And Batteries Using Such Grids	08/923,341 9/4/1997	5,948,566 9/7/1999	LARSEN, STEVEN R. FOOTE, ANDREW	Exide Corporation
US	Method For Purifying Leady Oxides	09/365,932 8/2/1999	6,153,156 11/28/2000	LAWRENCE, MICHEL M.F. KEPROS, MICHAEL A.	Exide Corporation
US	Method Of Manufacturing Modular Components For A Bipolar Battery And The Resulting Bipolar Battery	08/900,681 7/25/1997	5,993,494 11/30/1999	MALIKAYIL, LOOKOSE	Exide Corporation
US	Battery With Multiple Purpose Handle	07/762,580 9/19/1991	5,232,796 8/3/1993	BAUMGARTN ER, DEBORAH S.	Exide Corporation
US	Battery Carrying Handle	07/802,258 12/4/1991	5,242,769 9/7/1993	COLE, BRUCE A. JERGL, JOSEPH J.	Exide Corporation
US	Lead-Acid Battery With Handle	08/886,263 7/1/1997	5,814,422 9/29/1998	VEZINA, WILLIAM K.	Exide Corporation
US	Batteries Having Improved Venting Systems	08/162,707 12/6/1993	5,422,199 6/6/1995	ADAMS, DAVID W. BAUMGARTN ER, DEBORAH S.HAKARINE, DUANE D.	Exide Corporation
US	Method For Treating Rotary Slag	09/082,930 5/21/1998	6,053,963 4/25/2000	GRAVES, PAUL RAYMOND, JR	Exide Corporation
US	Modular Cell Tray Assembly For Sealed Lead-Acid Cells	08/867,307 6/2/1997	5,981,101 11/9/1999	STONE, BRADLEY WILLIAM	Exide Corporation
US	System And Method For Controlling The Degree Of Heating Experienced By A Work Coil In An Induction Heating Generator	08/813,233 12/18/1996	5,886,325 3/23/1999	LUND, DAVID L.	Exide Corporation
US	Lead Delivery System For Casting Straps In The Manufacture And Assembly Of Lead-Acid Batteries	08/295,291 8/24/1994	5,487,496 1/30/1996	BENSON, CORY D.	Exide Corporation
US	Spiral-Wound Lead-Acid Batteries Having Capacity Adapters	08/744,374 11/7/1996	5,922,490 7/13/1999	KUMP, WILLIAM H.	Exide Corporation
US	Method For Making Lead-Acid Jars And Cells	08/741,908 10/31/1996	5,788,719 8/4/1998	KUMP, WILLIAM H.HENNING, JEFFREY M.	Exide Corporation
US	Method For Making Lead-Acid Jars And Cells And Batteries Using Such Jars	09/059,984 4/14/1998	6,132,907 10/17/2000	KUMP, WILLIAM H.HENNING, JEFFREY M.	Exide Corporation
US	Induction Heating Apparatus and Method For Fusing Battery Cell Terminals	08/799,294 2/13/1997	6,008,480 12/28/1999	LUND, DAVID L.	Exide Corporation

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	Lead Acid Storage Battery And Method Of Bonding Battery Cell Terminal Posts And Bushings	09/268,180 3/15/1999	6,309,429 10/30/2001	LUND, DAVID L. KUMP, WILLIAM H.WILLING, RODGER	Exide Technologies
US	Lead Acid Storage Battery	08/903,466 7/30/1997	5,905,002 5/18/1999	LUND, DAVID L. KUMP, WILLIAM H.WILLING, RODGER	Exide Corporation
US	Method For Making Lead-Acid Grids And Cells And Batteries Using Such Grids	08/728,245 10/8/1996	5,762,654 6/9/1998	KUMP, WILLIAM H.BATSON, ROSALIND	Exide Corporation
US	Method Of Fabricating Lead Bushings And Batteries Using Same	08/903,179 7/30/1997	5,924,471 7/20/1999	LUND, DAVID L. KUMP, WILLIAM H.	Exide Corporation
US	SEALED LEAD-ACID BATTERY TRAY ASSEMBLIES AND MOTIVE POWER VEHICLES USING SUCH BATTERY TRAY ASSEMBLIES	08/178,021 1/6/1994	5,437,939 8/1/1995	BECKLEY, GORDON C.	Exide Corporation
US	Lead-Acid Battery With Handle	08/859,131 5/20/1997	6,022,638 2/8/2000	HORTON, ANTHONY R. PETERSON, STEVEN R. SAHLI, RICHARD M. KUMP, WILLIAM H.	Exide Corporation
US	Calcium-Tin-Silver Lead-Based Alloys, And Battery Grids And Lead-Acid Batteries Made Using Such Alloys	07/675,298 3/26/1991		RAO, PURUSHOTH AMA	Exide Technologies
US	Calcium-Tin-Silver Lead-Based Alloys, And Battery Grids And Lead-Acid Batteries Made Using Such Alloys	07/852,803 3/17/1992	5,298,350 3/29/1994	RAO, PURUSHOTH AMA	Exide Corporation
US	Battery Grids And Plates And Lead-Acid Batteries Made Using Such Grids And Plates	08/144,688 10/29/1993	5,434,025 7/18/1995	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F. LARSON, JOHN LARSEN, STEVEN R.	Exide Corporation
US	Sealed Lead-Acid Cells And Batteries	08/673,149 7/1/1996	5,691,087 11/25/1997	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F.	Exide Corporation
US	Lead-Acid Cells And Batteries	08/872,811 6/11/1997	5,874,186 2/23/1999	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F.	Exide Corporation

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US	Lead-Acid Cells And Batteries	09/154,006 9/16/1998	6,180,286 1/30/2001	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F.	Exide Corporation
US	Valve-Regulated Lead-Acid Cells And Batteries And SeparatorsUsed In Such Cells And Batteries	09/423,026 1/18/2000	6,509,118 1/21/2003	PAVLOV, DETCHKO RUEVSKI, STEFAN IVANOV NAIDENOV, V. BOZHIDAROV MIRCHEVA, V. VLADIMIROVA PETKOVA, GALIA ANGELOVADI MITROV, MITKO KOLEV	Exide Corporation
US	Process For Fixing Blast Furnace Slag/Matte And OtherEcologically Hazardous Solid Waste Mateirals Containing Heavy Metals Using Clinoptilolite	07/761,163 9/11/1991		GRAVES, PAUL RAYMOND, JR	Exide Technologies
US	Process For Fixing Lead-Contaminated Ecologically Hazardous Industrial Waste Materials Using Clinoptilolite Zeolite	07/941,392 9/8/1992	5,234,498 8/10/1993	GRAVES, PAUL R.	Exide Corporation
US	Sealant Compostition, Cell And Battery Cover, And Cell Bettery Prepared Therewith	8/745,453 11/12/1996	5,709,967 1/20/1998	LARSEN, STEVEN R.	Exide Corporation
US	Lead-Acid Battery Having A Fluid Compartment For Reducing Convection-Induced Heat Transfer	08/287,191 8/8/1994	5,460,900 10/24/1995	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F. KUMP, WILLIAM H.	Exide Corporation
US	Lead-Acid Battery Having A Fluid Compartment For Reducing Convection-Induced Heat Transfer	08/501,397 7/12/1995	5,569,552 10/29/1996	RAO, PURUSHOTH AMA UHLEMANN, THOMAS F. KUMP, WILLIAM H.	Exide Corporation
US	Method Of Assembling A Bipolar Lead-Acid Battery And The Resulting Bipolar Battery	08/071,298 6/2/1993	5,429,643 7/4/1995	LUND, DAVID L. KUMP, WILLIAM H.GROFF, DONALD W.	Exide Corporation
US	Method Of Assembling A Bipolar Lead-Acid Battery And The Resulting Bipolar Battery	08/246,730 5/20/1994	5,470,679 11/28/1995	LUND, DAVID L. KUMP, WILLIAM H.GROFF, DONALD W.	Exide Corporation

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US	Method Of Assembling A Bipolar Battery	08/493,923 6/23/1995	5,682,671 11/4/1997	LUND, DAVID L. KUMP, WILLIAM H.GROFF, DONALD W.	Exide Corporation
US	Spacers For Lead-Acid Batteries	08/116,879 9/7/1993	5,484,667 1/16/1996	SAHLI, RICHARD M. BAUMGARTNER, DEBORAH S.	Exide Corporation
US	Sealed Lead-Acid Cells And Batteries Having Internal And External Restraint For Accommodating Plate Growth	08/786,530 1/21/1997	5,876,873 3/2/1999	MATTAN, EDWARD M.	Exide Corporation
US	Sealed Lead-Acid Cells And Batteries Having Internal And External Restraint For Accomodating Plate Growth			MATTAN, EDWARD M.	Exide Technologies
US	Sealed Lead-Acid Cells And Batteries Having Internal And External Restraint For Accommodating Plate Growth	09/516,965 1/21/1997	RE37804 3/2/1999	MATTAN, EDWARD M.	Exide Corporation
US	Maintenance-Free Battery And Battery Grids And Alloys Used In Making Such Batteries	08/709,129 9/6/1996		RAO, PURUSHOTHAMA LARSEN, STEVEN P.	Exide Technologies
US	Method Of Manufacturing Modular Molded Components For A Bipolar Battery And The Resulting Bipolar Battery	08/586,955 1/16/1996	5,658,690 8/19/1997	LUND, DAVID L. PETRAKOVICH, STEPHEN G.	Exide Corporation
US	Lead Oxide Composition For Use In Lead-Acid Batteries	07/932,263 8/19/1992	5,352,549 10/4/1994	RAO, PURUSHOTHAMA MARSH, FREDERICK L.	Exide Corporation
US	Sealed Lead-Acid Cell Tray Assembly And Motive Powered Vehicle Using Such Cell Tray Assembly	08/041,687 4/1/1993		BECKLEY, GORDON C.	Exide Corporation
US	Sealed Lead-Acid Cell Tray Assembly And Motive Powered Vehicle Using Such Cell Tray Assembly	08/389,558 2/15/1995	5,441,123 8/15/1995	BECKLEY, GORDON C.	Exide Corporation
US	Method And Apparatus For Attaching Terminal Post Straps To ABattery Plate Group	08/774,769 12/30/1996	5,836,371 11/17/1998	KUMP, WILLIAM H.LUND, DAVID L. DIMARCO, CHARLES J.	Exide Corporation
US	Method And Apparatus For Attaching Terminal Post Straps To ABattery Plate Group	09/170,536 10/13/1998	5,972,535 10/26/1999	KUMP, WILLIAM H.LUND, DAVID L. DIMARCO, CHARLES J.	Exide Corporation

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US	Sealed Lead-Acid Cell Tray Assembly And Motive Powered Vehicle Using Such Cell Tray Assembly	08/542,732 10/13/1995	5,709,280 1/20/1998	BECKLEY, GORDON C. CHAN, KWOK KAN ROMAS, GEORGE	Exide Corporation
US	Sealed Lead-Acid Cells And Batteries Having An Expandable Cover	08/674,420 7/2/1996	5,660,946 8/26/1997	KUMP, WILLIAM H.HUKE, DEBORAH MATTAN, EDWARD	Exide Corporation
US	Battery Grids, A Method For Making Such Battery Grids And Lead-Acid Batteries Using Such Battery Grids	08/584,057 1/11/1996	5,652,074 7/29/1997	LARSON, JOHN BRUGGER, DAVID	Exide Corporation
US	Pedestal And Cell Tray Assembly For Lead-Acid Cells And Batteries	08/693,558 8/7/1996	5,667,908 9/16/1997	STONE, BRADLEY W.	Exide Corporation
US	Bipolar Plates, Method For Making Such Plates And Bipolar Batteries Using Such Plates	08/895,214 7/16/1997		LARSEN, STEVEN R. FOOTE, ANDREW	Exide Technologies
US	Antimony-Arsenic-Tin-Selenium Lead-Based Strap Alloys For Lead-Acid Batteries	08/583,902 1/11/1996	5,650,242 7/22/1997	RAO, PURUSHOTHAMA LARSEN, STEVEN P.	Exide Corporation
US	Capacity Indicator For Lead-Acid Batteries	07/952,358 9/28/1992	5,304,433 4/19/1994	CHERNG, JING-YIH	Exide Corporation
US	MODULAR CABINET FOR LARGE-SIZED SEALED LEAD-ACID CELLS	07/898,147 6/15/1992	5,304,434 4/19/1994	STONE, BRADLEY W.	Exide Corporation
US	Induction Heating Apparatus And Method For Fusing Intercell Connectors To Battery Cell Terminals	08/752,059 11/19/1996	5,834,743 11/10/1998	LUND, DAVID L. DIMARCO, CHARLES J.	Exide Corporation
US	Positive Lead-Acid Battery Grids And Cells And Batteries Using Such Grids	08/925,543 9/8/1997	5,958,625 9/28/1999	RAO, PURUSHOTHAMA	Exide Corporation
US	Methods And Apparatus For Pasting Battery Current Collectors	08/105,508 8/11/1993	5,385,587 1/31/1995	LUND, DAVID L. GROFF, DONALD W.BONK, JAMES J. RUMSEY, KENNETH S.	Exide Corporation
US	Modular Battery Cabinet Assembly	07/898,299 6/15/1992		STONE, BRADLEY	Exide Batteries Ltd.
US	Modular Battery Cabinet Assembly	08/265,500 6/23/1994	5,403,679 4/4/1995	STONE, BRADLEY W.	Exide Corporation
US	LOW PROFILE FRONT TERMINAL LEAD-ACID BATTERY	09/373,330 8/21/1999	6,372,382 4/16/2002	PETERSON, STEVEN	Exide Corporation
US	LEAD-ACID CELL AND POSITIVE PLATE AND ALLOY THEREFOR	09/072,401 5/4/1998	6,423,451 7/23/2002	LARSEN, STEVEN R.	Exide Corporation
US	Lead-Acid Batteries And Positive Plate And Alloys Therefor	09/638,141 8/11/2000		LARSEN, STEVEN R.	GNB Battery Technologies Inc.

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	METHOD FOR MAKING POSITIVE GRIDS AND LEAD-ACID CELLS AND BATTERIES USING SUCH GRIDS	09/285,624 4/3/1999	6,351,878 3/5/2002	PURUSHOTH AMA, R.	Exide Corporation
US	METHOD FOR MAKING POSITIVE GRIDS AND LEAD-ACID CELLS AND BATTERIES USING SUCH GRIDS	09/998,248 11/30/2001			Exide Corporation
US	BATTERY WITH CONTAINER COMPARTMENT AND END WALL STIFFENING BLOCK	09/270,726 3/17/1999	6,300,005 10/9/2001	KUMP, WILLIAM H.	Exide Corporation
US	Low Profile Six-Volt Lead-Acid Battery	09/506,223 2/17/2000		KUMP, WILLIAM H.PETERSON, STEVEN R. HORTON, ANTHONY	GNB Battery Technologies Inc.
US	Battery Enclosure System For Motive Power In Hazardous Service Environments	09/096,145 6/11/1998	6,494,279 12/17/2002	HUTCHENS, JOHN D.	Exide Technologies
US	Seismic Rated Battery Racking System	09/963,722 9/26/2001		STONE, BRADLEY W. LINNING, ROBERT E., JR.	Exide Technologes
US	Lead-Acid Cells And Batteries	09/449,189 11/24/1999		UHLEMANN, THOMAS F. MILLER, JOHN H.	GNB Battery Technologies Inc.
US	Lead-Acid And Batteries And Positive Plates And Alloys Therefor	09/702,106 10/30/2000		LARSEN, STEVEN R.	GNB Battery Technoligies Inc.
US	Detachable Rope Handle Assembly	09/453,118 12/2/1999	6,428,927 8/6/2002	KUMP, WILLIAM H.PETERSON, STEVEN R.	GNB Technologies Inc.
US	Lead-Acid Separators And Cells And Batteries Using Such Separators	09/285,494 4/2/1999	6,406,813 6/18/2002	RAO, PURUSHOTH AMA	GNB Battery Technologies Inc.
US	Sealed Lead-Acid Cells And Batteries Having An Expandable Cover	09/379,051 8/23/1999		KUMP, WILLIAM H.HUKE, DEBORAH MATTAN, EDWARD M.	GNB Battery Technologies Inc.
US	Antimonial Lead-Acid Battery Plates And Cells And Battery Using Such Plates	09/330,624 6/11/1999		LAWRENCE, MICHEL M.F.	Exide Technologies
US	Plastic Injection Mold With Elctrically Heated Inserts, Shielded With Insulation And Chill Water Channels	08/613,925 3/11/1996		PETRAKOVIC H, STEPHEN G.	Exide Technologies
US	Method Of Manufacturing Modular Molded Components For A Bipolar Battery And The Resulting Bipolar Battery	08/641,500 5/1/1996	6,017,653 1/25/2000	PETRAKOVIC H, STEPHEN G.KUMP, WILLIAM H.	Exide Corporation

CTY	TITLE	APP# FILE DATE	PATENT# GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	Battery End Wall Stiffening Plate	08/961,617 10/31/1997		KUMP, WILLIAM H.DIMARCO, CHARLES J. BENDERT, RICHARD	Exide Technologies
US	Short Protection	09/460,080 12/14/1999		LAWRENCE, THOMAS E.	GNB Battery Technologies Inc.
US	Screw-In Ventplug For Lead-Acid Battery	09/705,566 11/3/2000		PETERSON, STEVEN R. KUMP, WILLIAM H.	Exide Technologies
US	FLAT STACK VRLA			SZYMBORSKI, JOE MATTAN, EDWARD JERGL, JOE	Exide Technologies
US	Lead-Acid Separators And Cells And Batteries Using Such Separators	09/374,660 8/16/1999		LAWRENCE, MICHEL M.F.	GNB Battery Technologies
US	Intercell Connector And Process For Manufacturing Thereof	09/460,954 12/14/1999		LUND, DAVID L. LAWRENCE, THOMAS E.	GNB Battery Technologies
US	Lightweight Industrial Grid And Plate, Battery IncorporatingSame, And Method Of Making The Plate.	09/298,567 4/21/1999		KUMP, WILLIAM H.	Exide Technologies
US	GALVANIC CELLS AND BATTERIES HAVING A NOVEL GRID, STRAP AND INTERCELL WELD ARRANGEMENT	07/803,498 12/4/1991		COLE, BRUCE A. MELICHAR, PAUL J.	
US	PROCESS FOR THE DESTRUCTION OF CHEMICAL AGENTSAND MUNITIONS	60/003,956 9/19/1995		BITLER, John BARANSKI, J. LARSON, H.	Exide Corporation
US	PROCESS FOR THE DESTRUCTION OF CHEMICAL AGENTSAND MUNITIONS	60/004,154 9/22/1995		BITLER, John A. BARANSKI, J. LARSON, H.	Exide Corporation
US	Cell Tray Assembly And Cover System For Lead-Acid Cells And Batteries	60/074,668 2/13/1998		LINNING, ROBERT E., JR.STONE, BRADLEY W.	Exide Corporation
US	Method For Purifying Leady Oxides	60/095,088 8/3/1998		KEPROS, MICHAEL A. LAWRENCE, MICHELLE	Exide Corporation
US	LEAD ACID BATTERY FAST FORMATION PROCESS	60/330,862 11/1/2001		HILTS, L.LI, K-F MARSHALL, R.	Exide Corporation
US	Improved Positive Grid Design And Lead-Acid BatteriesUtilizing Such Grids	60/027,460 9/23/1996		RAO, PURUSHOTHAMA	GNB Battery Technologies Inc.
US	Led Tin Based Alloy	60/045,801 5/7/1997		LARSEN, STEVEN R.	Exide Technologies!
US	Battery Enclosure System For Motive Power In Hazardous Service Environments	60/049,485 6/12/1997		HUTCHENS, JOHN D.	GNB Battery Technologies

CTY	TITLE	APP # FILE DATE	PATENT # GRANT DATE	INVENTOR(S) (FIRST SIX)	OWNER
US	Seismic Rated Battery Racking System	60/235,742 9/27/2000		STONE, BRADLEY W. LINNING, ROBERT E., JR.	Exide Technologies
US	Lead-Acid Cells And Batteries	60/111,461 12/9/1998		UHLEMANN, THOMAS F. MILLER, JOHN H.	Exide Technologies
US	Apparatus And Method For Carrying Out Diagnostic Tests On Batteries And For Rapidly Charging Batteries	60/094,308 7/27/1998		KLANG, JAMES K.	GNB Battery Technologies
US	Lead-Acid Separator And Cells And Batteries Using Such Separators	60/096,963 8/18/1998		LAWRENCE, MICHEL M.F.	Exide Technologies
US	BATTERY ENERGY STORAGE MODULE	60/529,757 12/17/2003		CORTES, TIMOTHY SCHMID, KEITH SZYMBORSKI, JOSEPH	Exide Technologies

GRANT OF SECURITY INTEREST
IN UNITED STATES PATENTS

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, Exide Technologies (f/k/a Exide Corporation), a Delaware corporation (the "Grantor") with principal offices at 3150 Brunswick Pike, Suite 230, Lawrenceville, New Jersey, 08648, hereby grants to DEUTSCHE BANK AG NEW YORK BRANCH, as Collateral Agent, with principal offices at 60 Wall Street, New York, New York, 10005, (the "Grantee"), a security interest in (i) all of the Grantor's rights, title and interest in and to the United States patents (the "Patents") set forth on Schedule A attached hereto, in each case together with (ii) all Proceeds (as such term is defined in the U.S. Security Agreement referred to below) and products of the Patents, and (iii) all causes of action arising prior to or after the date hereof for infringement of any of the Patents or unfair competition regarding the same.

THIS GRANT is made to secure the satisfactory performance and payment of all the Obligations of the Grantor, as such term is defined in the U.S. Security Agreement among the Grantor, the other assignors from time to time party thereto and the Grantee, dated as of May 4, 2004 (as amended, modified, restated and/or supplemented from time to time, the "U.S. Security Agreement"). Upon the occurrence of the Termination Date (as defined in the U.S. Security Agreement), the Grantee shall execute, acknowledge, and deliver to the Grantor an instrument in writing releasing the security interest in the Patents acquired under this Grant.

This Grant has been granted in conjunction with the security interest granted to the Grantee under the U.S. Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are as set forth in the U.S. Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the U.S. Security Agreement, the provisions of the U.S. Security Agreement shall govern.

[Remainder of this page intentionally left blank; signature page follows]

IN WITNESS WHEREOF, the undersigned have executed this Grant as of the 4th day of May, 2004

EXIDE TECHNOLOGIES (F/K/A EXIDE CORPORATION), as Grantor

By _____
Name: Nicholas J. Iuanow
Title: V.P. and Corporate Treasurer

DEUTSCHE BANK AG NEW YORK BRANCH,
as Collateral Agent and Grantee

By _____
Name: Scottye Lindsey
Title: Director

By _____
Name:
Title: Susan LeFevre
Director

STATE OF Georgia)
) ss:
COUNTY OF Fulton)

On this ____ day of May, 2004, before me personally came Nicholas J. Iuanow who, being by me duly sworn, did state as follows: that [s]he is V.P. & Corp. Treasurer of Exide Technologies (f/k/a Exide Corporation), that [s]he is authorized to execute the foregoing Grant on behalf of said corporation and that [s]he did so by authority of the Board of Directors of said corporation.

Claire A. Frank
Notary Public

STATE OF New York)
) ss:
COUNTY OF New York)

On this 4th day of May, 2004, before me personally came Scottye Lindsey who, being by me duly sworn, did state as follows: that [s]he is Director of Deutsche Bank AG New York Branch, that [s]he is authorized to execute the foregoing Grant on behalf of said corporation and that [s]he did so by authority of the Board of Directors of said corporation.

Notary Public

NEERAV SHAH
Notary Public, State of New York
No. 01SH6080901
Qualified in New York County
Commission Expires Sept. 23, 2006

STATE OF New York)
) ss:
COUNTY OF New York)

On this 4th day of May, 2004, before me personally came Susan Lefevre who, being by me duly sworn, did state as follows: that [s]he is Director of Deutsche Bank AG New York Branch, that [s]he is authorized to execute the foregoing Grant on behalf of said corporation and that [s]he did so by authority of the Board of Directors of said corporation.

Notary Public

NEERAV SHAH
Notary Public, State of New York
No. 01SH6080901
Qualified in New York County
Commission Expires Sept. 23, 2006