

MASSMUTUAL CORPORATE INVESTORS

Form N-Q

May 28, 2010

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM N-Q

Quarterly Schedule of Portfolio Holdings of
Registered Management Investment Company

Investment Company Act file number 811-02183

MassMutual Corporate Investors

(Exact name of registrant as specified in charter)

1500 Main Street, Springfield, MA 01115

(Address of principal executive offices) (Zip code)

Patricia J. Walsh, Vice President and Secretary,
1500 Main Street, Suite 2800, Springfield, MA 01115

(Name and address of agent for service)

Registrant's telephone number, including area code: 413-226-1000

Date of fiscal year end: 12/31

Date of reporting period: 03/31/10

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ITEM 1. SCHEDULE OF INVESTMENTS.

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS
 March 31, 2010
 (Unaudited)

| | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| CORPORATE RESTRICTED SECURITIES - 91.53%:(A) | | |
| PRIVATE PLACEMENT INVESTMENTS - 84.12% | | |
| A E COMPANY, INC. | | |
| A designer and manufacturer of machined parts and assembly structures for the commercial and military | | |
| 11% Senior Secured Note due 2015 | \$ 1,413,462 | * |
| 13% Senior Subordinated Note due 2016 | \$ 1,413,461 | 11/10/09 |
| Common Stock (B) | 323,077 shs. | 11/10/09 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 161,538 shs. | 11/10/09 |
| * 11/10/09 and 11/18/09. | | |
| A H C HOLDING COMPANY, INC. | | |
| A designer and manufacturer of boilers and water heaters for the commercial sector. | | |
| 15% Senior Subordinated Note due 2015 | \$ 2,497,509 | 11/21/07 |
| Limited Partnership Interest (B) | 23.16% int. | 11/21/07 |
| A S A P INDUSTRIES LLC | | |
| A designer and manufacturer of components used on oil and natural gas wells. | | |
| 12.5% Senior Subordinated Note due 2015 | \$ 850,946 | 12/31/08 |
| Limited Liability Company Unit Class A-2 (B) | 1,276 uts. | 12/31/08 |
| Limited Liability Company Unit Class A-3 (B) | 1,149 uts. | 12/31/08 |
| A S C GROUP, INC. | | |
| A designer and manufacturer of high reliability encryption equipment, communications products, components primarily for the military and aerospace sectors. | | |
| 12.75% Senior Subordinated Note due 2016 | \$ 2,318,182 | 10/09/09 |
| Limited Liability Company Unit Class A (B) | 2,359 uts. | 10/09/09 |
| Limited Liability Company Unit Class B (B) | 2,782 uts. | 10/09/09 |
| A W X HOLDINGS CORPORATION | | |
| A provider of aerial equipment rental, sales and repair services to non-residential construction operating in the State of Indiana. | | |
| 10.5% Senior Secured Term Note due 2014 | \$ 735,000 | 05/15/08 |
| 13% Senior Subordinated Note due 2015 | \$ 735,000 | 05/15/08 |
| Common Stock (B) | 105,000 shs. | 05/15/08 |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 36,923 shs. | 05/15/08 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| ADVANCED TECHNOLOGIES HOLDINGS | | |
| A provider of factory maintenance services to industrial companies. | | |
| 15% Senior Subordinated Note due 2013 | \$ 2,182,626 | 12/27/07 |
| Preferred Stock (B) | 1,031 shs. | 12/27/07 |
| | | |
| AERO HOLDINGS, INC. | | |
| A provider of geospatial services to corporate and government clients. | | |
| 10.5% Senior Secured Term Note due 2014 | \$ 1,627,500 | 03/09/07 |
| 14% Senior Subordinated Note due 2015 | \$ 1,260,000 | 03/09/07 |
| Common Stock (B) | 262,500 shs. | 03/09/07 |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 66,116 shs. | 03/09/07 |
| | | |
| ALL CURRENT HOLDING COMPANY | | |
| A specialty re-seller of essential electrical parts and components primarily serving wholesale di | | |
| 12% Senior Subordinated Note due 2015 | \$ 1,140,317 | 09/26/08 |
| Common Stock (B) | 1,347 shs. | 09/26/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 958 shs. | 09/26/08 |
| | | |
| AMERICAN HOSPICE MANAGEMENT HOLDING LLC | | |
| A for-profit hospice care provider in the United States. | | |
| 12% Senior Subordinated Note due 2013 | \$ 3,187,495 | * |
| Preferred Class A Unit (B) | 3,223 uts. | ** |
| Preferred Class B Unit (B) | 1,526 uts. | 06/09/08 |
| Common Class B Unit (B) | 30,420 uts. | 01/22/04 |
| Common Class D Unit (B) | 6,980 uts. | 09/12/06 |
| | | |
| * 01/22/04 and 06/09/08. ** 01/22/04 and 09/12/06. | | |
| | | |
| APEX ANALYTIX HOLDING CORPORATION | | |
| A provider of audit recovery and fraud detection services and software to commercial and retail b | | |
| 12.5% Senior Subordinated Note due 2016 | \$ 1,912,500 | 04/28/09 |
| Preferred Stock Series B (B) | 3,065 shs. | 04/28/09 |
| Common Stock (B) | 1,366 shs. | 04/28/09 |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| ARROW TRU-LINE HOLDINGS, INC. | | |
| A manufacturer of hardware for residential and commercial overhead garage doors in North America. | | |
| 14% Senior Subordinated Note due 2012 | \$ 1,859,060 | 05/18/05 |
| Preferred Stock (B) | 63 shs. | 10/16/09 |
| Common Stock (B) | 497 shs. | 05/18/05 |
| Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B) | 130 shs. | 05/18/05 |
| BRAVO SPORTS HOLDING CORPORATION | | |
| A designer and marketer of niche branded consumer products including canopies, trampolines, in-li urethane wheels. | | |
| 12.5% Senior Subordinated Note due 2014 | \$ 2,281,593 | 06/30/06 |
| Preferred Stock Class A (B) | 879 shs. | 06/30/06 |
| Common Stock (B) | 1 sh. | 06/30/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 309 shs. | 06/30/06 |
| CDNT, INC. | | |
| A value-added converter and distributor of specialty pressure sensitive adhesives, foams, films, | | |
| 10.5% Senior Secured Term Note due 2014 | \$ 750,872 | 08/07/08 |
| 12.5% Senior Subordinated Note due 2015 | \$ 750,872 | 08/07/08 |
| Common Stock (B) | 73,256 shs. | 08/07/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 57,600 shs. | 08/07/08 |
| CAPITAL SPECIALTY PLASTICS, INC. | | |
| A producer of desiccant strips used for packaging pharmaceutical products. | | |
| Common Stock (B) | 109 shs. | * |
| * 12/30/97 and 05/29/99. | | |
| CLOUGH, HARBOUR AND ASSOCIATES | | |
| An engineering service firm that is located in Albany, NY. | | |
| 12.25% Senior Subordinated Note due 2015 | \$ 2,400,000 | 12/02/08 |
| Preferred Stock (B) | 277 shs. | 12/02/08 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| COEUR, INC. | | |
| A producer of proprietary, disposable power injection syringes. | | |
| 12% Senior Subordinated Note due 2016 | \$ 1,214,286 | 10/10/08 |
| Common Stock (B) | 607 shs. | 10/10/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 934 shs. | 10/10/08 |
| CONNECTICUT ELECTRIC, INC. | | |
| A supplier and distributor of electrical products sold into the retail and wholesale markets. | | |
| 12% Senior Subordinated Note due 2014 | \$ 2,393,954 | 01/12/07 |
| Limited Liability Company Unit Class A (B) | 156,046 uts. | 01/12/07 |
| Limited Liability Company Unit Class C (B) | 112,873 uts. | 01/12/07 |
| CONNOR SPORT COURT INTERNATIONAL, INC. | | |
| A designer and manufacturer of outdoor and indoor synthetic sports flooring and other temporary f | | |
| Preferred Stock Series B-2 (B) | 17,152 shs. | 07/05/07 |
| Preferred Stock Series C (B) | 8,986 shs. | 07/05/07 |
| Common Stock (B) | 718 shs. | 07/05/07 |
| Limited Partnership Interest (B) | 12.64% int. | * |
| *08/12/04 and 01/14/05. | | |
| COREPHARMA LLC | | |
| A manufacturer of oral dose generic pharmaceuticals targeted at niche applications. | | |
| 12% Senior Subordinated Note due 2013 | \$ 2,550,000 | 08/04/05 |
| Warrant, exercisable until 2013, to purchase common stock at \$.001 per share (B) | 20 shs. | 08/04/05 |
| CRANE RENTAL CORPORATION | | |
| A crane rental company. | | |
| 13% Senior Subordinated Note due 2015 | \$ 2,295,000 | 08/21/08 |
| Common Stock (B) | 255,000 shs. | 08/21/08 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 136,070 shs. | 08/21/08 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

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March 31, 2010

(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| CUSTOM ENGINEERED WHEELS, INC. | | |
| A manufacturer of custom engineered, non-pneumatic plastic wheels and plastic tread cap tires used in a variety of products and wheelchairs. | | |
| 12.5% Senior Subordinated Note due 2016 | \$ 2,182,212 | 10/27/09 |
| Preferred Stock PIK | 296 shs. | 10/27/09 |
| Preferred Stock Series A | 216 shs. | 10/27/09 |
| Common Stock (B) | 72 shs. | 10/27/09 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 53 shs. | 10/27/09 |
| DAVIS-STANDARD LLC | | |
| A manufacturer, assembler, and installer of a broad range of capital equipment that is used in the processing of plastic materials. | | |
| 12% Senior Subordinated Note due 2014 | \$ 1,847,826 | 10/30/06 |
| Limited Partnership Interest (B) | 1.82% int. | 10/30/06 |
| Warrant, exercisable until 2014, to purchase preferred stock at \$.01 per share (B) | 50 shs. | 10/30/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 34 shs. | 10/30/06 |
| DIVERSCO, INC./DHI HOLDINGS, INC. | | |
| A contract provider of janitorial and equipment maintenance services and temporary production labor. | | |
| Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) | 27.20% int. | 08/27/98 |
| Preferred Stock (B) | 2,586 shs. | 12/14/01 |
| Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) | 13,352 shs. | * |
| * 10/24/96 and 08/28/98. | | |
| DUNCAN SYSTEMS, INC. | | |
| A distributor of windshields and side glass for the recreational vehicle market. | | |
| 10% Senior Secured Term Note due 2013 | \$ 405,000 | 11/01/06 |
| 13% Senior Subordinated Note due 2014 | \$ 855,000 | 11/01/06 |
| Common Stock (B) | 180,000 shs. | 11/01/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 56,514 shs. | 11/01/06 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

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(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| | | |
| Dwyer Group, Inc. | | |
| A franchiser of a variety of home repair services. | | |
| Common Stock (B) | 6,906 shs. | * |
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 2,034 shs. | 10/30/03 |
| *10/30/03 and 01/02/04. | | |
| | | |
| E S P Holdco, Inc. | | |
| A manufacturer of power protection technology for commercial office equipment, primarily supplying network. | | |
| 14% Senior Subordinated Note due 2015 | \$ 2,321,162 | 01/08/08 |
| Common Stock (B) | 660 shs. | 01/08/08 |
| | | |
| E X C Acquisition Corporation | | |
| A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery. | | |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 22 shs. | 06/28/04 |
| | | |
| Eatem Holding Company | | |
| A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products for retail and foodservice end products. | | |
| 12.5% Senior Subordinated Note due 2018 | \$ 2,850,000 | 02/01/10 |
| Common Stock | 150 shs. | 02/01/10 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 358 shs. | 02/01/10 |
| | | |
| F C X Holdings Corporation | | |
| A distributor of specialty/technical valves, actuators, accessories, and process instrumentation high purity, and energy end markets in North America. | | |
| 15% Senior Subordinated Note due 2015 | \$ 2,208,822 | 10/06/08 |
| Preferred Stock (B) | 4,341 shs. | 10/06/08 |
| Common Stock (B) | 3,069 shs. | 10/06/08 |
| | | |
| F H S Holdings LLC | | |
| A national provider of customized disease management services to large self-insured employers. | | |
| 12% Senior Subordinated Note due 2014 (D) | \$ 2,390,625 | 06/01/06 |
| Limited Liability Company Units of Linden/FHS Holdings LLC (B) | 159 uts. | 06/01/06 |
| Common Unit Class B (B) | 1,386 uts. | 06/01/06 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| | | |
| FLUTES, INC. | | |
| An independent manufacturer of micro fluted corrugated sheet material for the food and consumer p | | |
| 10% Senior Secured Term Note due 2013 (D) | \$ 918,385 | 04/13/06 |
| 14% Senior Subordinated Note due 2014 (D) | \$ 555,059 | 04/13/06 |
| | | |
| GOLDEN COUNTY FOODS HOLDING, INC. | | |
| A manufacturer of frozen appetizers and snacks. | | |
| 16% Senior Subordinated Note due 2015 | \$ 1,912,500 | 11/01/07 |
| 16% PIK Note due 2015 | \$ 400,977 | 12/31/08 |
| 8% Series A Convertible Preferred Stock, convertible into fully dilluted common shares (B) | 146,658 shs. | 11/01/07 |
| | | |
| H M HOLDING COMPANY | | |
| A designer, manufacturer, and importer of promotional and wood furniture. | | |
| 7.5% Senior Subordinated Note due 2013 (D) | \$ 685,100 | 10/15/09 |
| Preferred Stock (B) | 40 shs. | * |
| Preferred Stock Series B (B) | 2,055 shs. | 10/15/09 |
| Common Stock (B) | 340 shs. | 02/10/06 |
| Common Stock Class C (B) | 560 shs. | 10/15/09 |
| Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B) | 126 shs. | 02/10/06 |
| * 09/18/07 and 06/27/08. | | |
| | | |
| HIGHGATE CAPITAL LLC | | |
| An acquirer of controlling or substantial interests in manufacturing and marketing entities. | | |
| Series A Preferred Units (B) | 1.19% int. | 07/21/94 |
| | | |
| HOME DECOR HOLDING COMPANY | | |
| A designer, manufacturer and marketer of framed art and wall decor products. | | |
| 12.5% Senior Subordinated Note due 2012 | \$ 2,043,269 | * |
| Common Stock (B) | 63 shs. | * |
| Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B) | 200 shs. | * |
| * 06/30/04 and 08/19/04. | | |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| HOSPITALITY MINTS HOLDING COMPANY | | |
| A manufacturer of individually-wrapped imprinted promotional mints. | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,075,581 | 08/19/08 |
| Common Stock (B) | 474 shs. | 08/19/08 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 123 shs. | 08/19/08 |
| | | |
| INSURANCE CLAIMS MANAGEMENT, INC. | | |
| A third party administrator providing auto and property claim administration services for insurance | | |
| Common Stock (B) | 69 shs. | 02/27/07 |
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 20 shs. | 02/27/07 |
| | | |
| INTERNATIONAL OFFSHORE SERVICES LLC | | |
| A leading provider of marine transportation services, platform decommissioning, and salvage services in shallow waters of the Gulf of Mexico. | | |
| 14.25% Senior Subordinated Secured Note due 2017 | \$ 2,550,000 | 07/07/09 |
| Limited Liability Company Unit (B) | 3,112 uts. | 07/07/09 |
| | | |
| JASON, INC. | | |
| A diversified manufacturing company serving various industrial markets. | | |
| 13% Senior Subordinated Note due 2010 | \$ 963,687 | 08/04/00 |
| Limited Partnership Interest of Saw Mill Capital Fund II, L.P. (B) | 2.50% int. | 08/03/00 |
| Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B) | 50,870 shs. | 08/04/00 |
| | | |
| JUSTRITE MANUFACTURING ACQUISITION CO. | | |
| A manufacturer of safety products such as storage cabinets and containers. | | |
| 12% Senior Subordinated Note due 2011 | \$ 1,593,750 | 12/15/04 |
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 1,121 shs. | 12/15/04 |
| | | |
| K H O F HOLDINGS, INC. | | |
| A manufacturer of premium disposable tableware products serving both the foodservice and consumer markets | | |
| 14% Senior Subordinated Note due 2014 | \$ 2,446,554 | 10/15/07 |
| Common Stock (B) | 220,673 shs. | 10/15/07 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| K N B HOLDINGS CORPORATION | | |
| A designer, manufacturer and marketer of products for the custom framing market. | | |
| 15.5% Senior Subordinated Note due 2013 | \$ 3,012,887 | 05/25/06 |
| Common Stock (B) | 134,210 shs. | 05/25/06 |
| Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B) | 82,357 shs. | 05/25/06 |
| K P I HOLDINGS, INC. | | |
| Pace Industries is the largest player in the U.S. non-automotive, non-ferrous die casting segment. | | |
| 13% Senior Subordinated Note due 2014 | \$ 2,106,522 | 07/16/08 |
| Convertible Preferred Stock Series C (B) | 55 shs. | 06/30/09 |
| Convertible Preferred Stock Series D (B) | 24 shs. | 09/17/09 |
| Common Stock (B) | 443 shs. | 07/15/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 734 shs. | * |
| * 07/16/08 and 09/17/09. | | |
| K W P I HOLDINGS CORPORATION | | |
| A manufacturer and distributor of vinyl windows and patio doors throughout the northwestern United States. | | |
| 18% Senior Subordinated Note due 2014 | \$ 2,811,873 | 03/14/07 |
| Common Stock (B) | 232 shs. | 03/13/07 |
| Warrant, exercisable until 2019, to purchase preferred stock at \$.01 per share (B) | 134 shs. | 07/07/09 |
| Warrant, exercisable until 2017, to purchase common stock at \$.01 per share (B) | 167 shs. | 03/14/07 |
| K-TEK HOLDING CORPORATION | | |
| A manufacturer of instrumentation for liquid and bulk solids level detection for process and storage. | | |
| 14% Senior Subordinated Note due 2015 | \$ 2,287,451 | 12/20/07 |
| Preferred Stock (B) | 363,260 shs. | 12/20/07 |
| Common Stock (B) | 102,616 shs. | 12/20/07 |
| L H D EUROPE HOLDING, INC. | | |
| A non-carbonated beverage dispensing company focused on the foodservice industry. | | |
| Common Stock (B) | 85 shs. | 12/28/09 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| | | |
| MVI HOLDING, INC. | | |
| A manufacturer of large precision machined metal components used in equipment which services a va oil and gas, mining, and defense markets. | | |
| 13% Senior Subordinated Note due 2016 | \$ 1,233,229 | 09/12/08 |
| Common Stock (B) | 61 shs. | 09/12/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 66 shs. | 09/12/08 |
| | | |
| MAIL COMMUNICATIONS GROUP, INC. | | |
| A provider of mail processing and handling services, lettershop services, and commercial printing | | |
| 12.5% Senior Subordinated Note due 2014 | \$ 975,000 | 05/04/07 |
| Limited Liability Company Unit (B) | 24,109 uts. | * |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 3,375 shs. | 05/04/07 |
| | | |
| * 05/04/07 and 01/02/08. | | |
| | | |
| MANHATTAN BEACHWEAR HOLDING COMPANY | | |
| A designer and distributor of women's swimwear. | | |
| 12.5% Senior Subordinated Note due 2018 | \$ 2,647,059 | 01/15/10 |
| Common Stock (B) | 353 shs. | 01/15/10 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 312 shs. | 01/15/10 |
| | | |
| MAVERICK ACQUISITION COMPANY | | |
| A manufacturer of capsules that cover the cork and neck of wine bottles. | | |
| 6.79% Senior Secured Tranche A Note due 2010 (C) | \$ 236,006 | 09/03/04 |
| 12.5% Senior Secured Tranche B Note due 2011 | \$ 313,433 | 09/03/04 |
| 6.75% Senior Secured Revolver due 2011 (C) | \$ 50,933 | 09/03/04 |
| Limited Partnership Interest (B) | 7.84% int. | 09/03/04 |
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 425 shs. | 09/03/04 |
| | | |
| MEDSYSTEMS HOLDINGS LLC | | |
| A manufacturer of enteral feeding products, such as feeding tubes and other products related to a | | |
| 13% Senior Subordinated Note due 2015 | \$ 1,166,548 | 08/29/08 |
| Preferred Unit (B) | 126 uts. | 08/29/08 |
| Common Unit Class A (B) | 1,268 uts. | 08/29/08 |
| Common Unit Class B (B) | 472 uts. | 08/29/08 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| | | |
| MEGTEC HOLDINGS, INC. | | |
| A supplier of industrial and environmental products and services to a broad array of industries. | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,161,017 | 09/24/08 |
| Preferred Stock (B) | 107 shs. | 09/24/08 |
| Limited Partnership Interest (B) | 1.40% int. | 09/16/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 35 shs. | 09/24/08 |
| | | |
| MICROGROUP, INC. | | |
| A manufacturer of precision parts and assemblies, and a value-added supplier of metal tubing and | | |
| 12% Senior Subordinated Note due 2013 (D) | \$ 2,685,614 | * |
| Common Stock (B) | 450 shs. | * |
| Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B) | 164 shs. | * |
| | | |
| * 08/12/05 and 09/11/06. | | |
| | | |
| MILWAUKEE GEAR COMPANY | | |
| A manufacturer of high-precision custom gears and gear drives used by original equipment manufact | | |
| industries. | | |
| 13% Senior Subordinated Note due 2014 | \$ 2,353,846 | 07/21/08 |
| Preferred Stock (B) | 263 shs. | 07/21/08 |
| Common Stock (B) | 18 shs. | 07/21/08 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 10 shs. | 07/21/08 |
| | | |
| MOMENTUM HOLDING CO. | | |
| A designer and supplier of upholstery fabric to commercial furniture manufacturers and architectu | | |
| Limited Partnership Interest (B) | 21.23% int. | 08/04/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B) | 1,107 shs. | 08/04/06 |
| | | |
| MONESSEN HOLDING CORPORATION | | |
| A designer and manufacturer of a broad line of gas, wood, and electric hearth products and access | | |
| 14% Senior Subordinated Note due 2014 (D) | \$ 2,550,000 | 07/25/08 |
| 14% PIK Note due 2014 (D) | \$ 792,791 | 07/25/08 |
| Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B) | 152 shs. | 03/31/06 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| NABCO, INC. | | |
| A producer of explosive containment vessels in the United States. | | |
| 14% Senior Subordinated Note due 2014 | \$ 625,000 | 02/24/06 |
| Limited Liability Company Unit (B) | 825 uts. | * |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 129 shs. | 02/24/06 |

* 02/24/06 and 06/22/07.

NAVIS GLOBAL

| | | |
|--|--------------|----------|
| A designer, manufacturer, seller and servicer of finishing machinery for the knit and woven segments | | |
| 12% Senior Secured Term Note Series A due 2010 | \$ 29,494 | 11/14/08 |
| 14% Senior Subordinated Note due 2014 (D) | \$ 1,338,613 | 05/28/04 |
| 10.75% Senior Secured Note due 2011 (D) | \$ 609,206 | 05/28/04 |

NESCO HOLDINGS CORPORATION

| | | |
|---|--------------|----------|
| A sales and leasing company that provides equipment to the electric utility, telecommunications, and other industries | | |
| 12% Senior Secured Subordinated Note due 2015 | \$ 2,125,000 | 08/02/07 |
| Common Stock (B) | 425,000 shs. | 08/02/07 |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 119,360 shs. | 08/02/07 |

NETSHAPE TECHNOLOGIES, INC.

| | | |
|---|--------------|----------|
| A manufacturer of powder metal and metal injection molded precision components used in industrial machinery | | |
| 12% Senior Subordinated Note due 2014 | \$ 1,530,000 | 02/02/07 |
| Limited Partnership Interest of Saw Mill PCG Partners LLC (B) | 2.73% int. | 02/01/07 |
| Limited Liability Company Unit Class D of Saw Mill PCG Partners LLC (B) | 15 uts. | * |
| Limited Liability Company Unit Class D- 1 of Saw Mill PCG Partners LLC (B) | 82 uts. | 09/30/09 |
| Preferred Stock Class A (B) | 1 sh. | 12/18/08 |
| Preferred Stock Class A-1 (B) | 7 shs. | 09/30/09 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 91 shs. | 02/02/07 |

* 12/18/08 and 09/30/09.

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010

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(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| | | |
| NORTHWEST MAILING SERVICES, INC. | | |
| A producer of promotional materials for companies that use direct mail as part of their customer | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,281,579 | 07/09/09 |
| Limited Partnership Interest (B) | 2,684 uts. | 07/09/09 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 3,498 shs. | 07/09/09 |
| | | |
| NYLONCRAFT, INC. | | |
| A supplier of engineered plastic components for the automotive industry. | | |
| 10% Senior Secured Note due 2012 | \$ 812,500 | 01/28/02 |
| 15% Senior Subordinated Note due 2012 (D) | \$ 500,000 | 01/28/02 |
| Convertible Preferred Stock A (B) | 1,000 shs. | 01/28/02 |
| Common Stock (B) | 312,500 shs. | 01/28/02 |
| Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B) | 243,223 shs. | 01/28/02 |
| | | |
| OAKRIVER TECHNOLOGY, INC. | | |
| Designs, engineers and assembles high precision automated process equipment for the medical device defibrillators and stents. | | |
| 10% Senior Secured Note due 2012 | \$ 145,713 | 01/03/06 |
| 13% Senior Subordinated Note due 2013 | \$ 687,241 | 01/03/06 |
| Common Stock (B) | 322,307 shs. | 01/03/06 |
| Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B) | 75,378 shs. | 01/03/06 |
| | | |
| OLYMPIC SALES, INC. | | |
| A boat retailer in Washington state, Oregon, California and British Columbia. | | |
| 12% Senior Subordinated Note due 2010 (D) | \$ 1,022,000 | 08/07/98 |
| 12% Senior Subordinated Note due 2010 (D) | \$ 307,071 | 02/09/00 |
| | | |
| ONTARIO DRIVE & GEAR LTD. | | |
| A manufacturer of all-wheel drive, off-road amphibious vehicles and related accessories. | | |
| Limited Liability Company Unit (B) | 3,667 uts. | 01/17/06 |
| Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B) | 619 shs. | 01/17/06 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
March 31, 2010
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| PAS HOLDCO LLC | | |
| An independent provider of maintenance, repair and overhaul services to the aerospace gas turbine | | |
| 14% Senior Subordinated Note due 2014 | \$ 2,335,864 | 07/03/06 |
| Preferred Unit (B) | 382 uts. | 07/03/06 |
| Preferred Unit (B) | 69 uts. | 07/03/06 |
| Common Unit Class I (B) | 148 uts. | 07/03/06 |
| Common Unit Class L (B) | 31 uts. | 07/03/06 |
| P I I HOLDING CORPORATION | | |
| A manufacturer of plastic film and bags for the general industrial, medical, and food industries. | | |
| 12% Senior Subordinated Note due 2013 | \$ 2,295,000 | 03/31/06 |
| Preferred Stock (B) | 36 shs. | 03/31/06 |
| Common Stock (B) | 23 shs. | 03/31/06 |
| Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B) | 13 shs. | 03/31/06 |
| PACIFIC CONSOLIDATED HOLDINGS LLC | | |
| A manufacturer of rugged, mobile liquid and gaseous oxygen and nitrogen generating systems used in and medical sectors. | | |
| 14% Senior Subordinated Note due 2012 | \$ 1,331,354 | 04/27/07 |
| Limited Liability Company Unit (B) | 1,754,707 uts. | 04/27/07 |
| PARADIGM PACKAGING, INC. | | |
| A manufacturer of plastic bottles and closures for the nutritional, pharmaceutical, personal care | | |
| 12% Senior Subordinated Note due 2011 | \$ 2,125,000 | 12/19/00 |
| Membership Interests of MM/Lincap PPI Investments, Inc., LLC (B) | 2.42% int. | 12/21/00 |
| PEARLMAN ENTERPRISES, INC. | | |
| A developer and distributor of tools, equipment, and supplies to the natural and engineered stone | | |
| Preferred Stock Series A (B) | 2,334 shs. | 05/22/09 |
| Preferred Stock Series B (B) | 13,334 shs. | 05/22/09 |
| Common Stock (B) | 40,540 shs. | 05/22/09 |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

Principal Amount

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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| POSTLE ALUMINUM COMPANY LLC | | |
| A manufacturer and distributor of aluminum extruded products. | | |
| 3% Senior Subordinated PIK Note due 2014 (D) | \$ 2,198,100 | 10/02/06 |
| Limited Liability Company Unit Class A | 1,384 uts. | 10/02/06 |
| Limited Liability Company Unit | 143 uts. | 05/22/09 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 8,595 shs. | 10/02/06 |
| | | |
| POWER SERVICES HOLDING COMPANY | | |
| A provider of industrial motor repair services, predictive and preventative maintenance, and performing the petrochemical, mining, power generation, metals, and paper industries. | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,372,093 | 02/11/08 |
| Limited Partnership Interest (B) | 23.70% int. | 02/11/08 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 1,322 shs. | 02/11/08 |
| | | |
| PRECISION WIRE HOLDING COMPANY | | |
| A manufacturer of specialty medical wires that are used in non-elective minimally invasive surgical | | |
| 14.25% Senior Subordinated Note due 2016 | \$ 2,564,895 | 11/12/09 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 206 shs. | 11/12/09 |
| | | |
| QUALIS AUTOMOTIVE LLC | | |
| A distributor of aftermarket automotive brake and chassis products. | | |
| 13% Senior Subordinated Note due 2012 | \$ 1,742,711 | 05/28/04 |
| Common Stock (B) | 354,167 shs. | 05/28/04 |
| Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B) | 377,719 shs. | 05/28/04 |
| | | |
| RAJ MANUFACTURING HOLDINGS LLC | | |
| A designer and manufacturer of women's swimwear sold under a variety of licensed brand names. | | |
| 14.5% Senior Subordinated Note due 2014 | \$ 2,434,074 | 12/15/06 |
| Limited Liability Company Unit (B) | 2,828 uts. | 12/15/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 3 shs. | 12/15/06 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
March 31, 2010
(Unaudited)

Principal Amount
Shares, Units

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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | or Ownership Percentage ----- | Acquisition Date ----- |
|--|-------------------------------------|------------------------------|
| REI DELAWARE HOLDING, INC. | | |
| An engineer and manufacturer of highly complex, close tolerance components, assemblies, tooling and primarily for aerospace, medical and defense/radar markets. | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,550,000 | 01/18/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 6 shs. | 01/18/08 |
| ROYAL BATHS MANUFACTURING COMPANY | | |
| A manufacturer and distributor of acrylic and cultured marble bathroom products. | | |
| 12.5% Senior Subordinated Note due 2011 | \$ 1,062,500 | 11/14/03 |
| Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) | 140 shs. | 11/14/03 |
| SAFETY SPEED CUT MANUFACTURING COMPANY, INC. | | |
| A manufacturer of vertical panel saws and routers for the wood working industry. | | |
| Class B Common Stock (B) | 1,480 shs. | 06/02/99 |
| SAVAGE SPORTS HOLDING, INC. | | |
| A manufacturer of sporting firearms. | | |
| 12% Senior Subordinated Note due 2012 | \$ 1,538,793 | 09/10/04 |
| Common Stock (B) | 612 shs. | * |
| Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B) | 134 shs. | 09/10/04 |
| * 09/10/04 and 10/05/07. | | |
| SENCORE HOLDING COMPANY | | |
| A designer, manufacturer, and marketer of decoders, receivers and modulators sold to broadcasters operators for encoding/decoding analog and digital transmission video signals. | | |
| 12.5% Senior Subordinated Note due 2014 | \$ 1,765,385 | 01/15/09 |
| Common Stock (B) | 131 shs. | 01/15/09 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 282 shs. | 01/15/09 |
| SMART SOURCE HOLDINGS LLC | | |
| A short-term computer rental company. | | |
| 12% Senior Subordinated Note due 2015 | \$ 2,223,076 | * |
| Limited Liability Company Unit (B) | 619 uts. | * |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 157 shs. | * |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| SPARTAN FOODS HOLDING COMPANY | | |
| A manufacturer of branded pizza crusts and pancakes. | | |
| 12.5% Senior Subordinated Note due 2017 | \$ 1,912,500 | 12/15/09 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 257 shs. | 12/15/09 |
| SPECIALTY COMMODITIES, INC. | | |
| A distributor of specialty food ingredients. | | |
| 13.25% Senior Subordinated Note due 2016 | \$ 2,290,693 | 10/23/08 |
| Common Stock (B) | 30,000 shs. | 10/23/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 11,054 shs. | 10/23/08 |
| STANTON CARPET HOLDING CO. | | |
| A designer and marketer of high and mid-priced decorative carpets and rugs. | | |
| 12.13% Senior Subordinated Note due 2014 | \$ 2,239,024 | 08/01/06 |
| Common Stock (B) | 311 shs. | 08/01/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B) | 104 shs. | 08/01/06 |
| SUNDANCE INVESTCO LLC | | |
| A provider of post-production services to producers of movies and television shows. | | |
| Limited Liability Company Unit Class A | 6,429 shs. | 03/31/10 |
| SYNERACT HOLDINGS CORPORATION | | |
| A provider of outsourced clinical trial management services to pharmaceutical and biotechnology c | | |
| 14% Senior Subordinated Note due 2016 | \$ 2,591,006 | 09/02/08 |
| Redeemable Preferred Stock Series A (B) | 1,280 shs. | 09/02/08 |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 12,803 shs. | 09/02/08 |
| T H I ACQUISITION, INC. | | |
| A machine servicing company providing value-added steel services to long steel products. | | |
| 12% Senior Subordinated Note due 2016 | \$ 2,550,000 | 01/14/08 |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 9 shs. | 01/14/08 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| TANGENT RAIL CORPORATION | | |
| A manufacturer of rail ties and provider of specialty services to the North American railroad industry. | | |
| 13% Senior Subordinated Note due 2015 | \$ 2,217,385 | 10/14/05 |
| Common Stock (B) | 2,203 shs. | 10/14/05 |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 1,192 shs. | 09/30/08 |
| TELECORPS HOLDINGS, INC. | | |
| A provider of equipment and services to producers of television shows and motion pictures. | | |
| 12.75% Senior Subordinated Note due 2016 | \$ 3,176,506 | * |
| Common Stock (B) | 270 shs. | 09/02/09 |
| Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B) | 7,906 shs. | * |
| * 05/20/09 and 09/02/09. | | |
| TERRA RENEWAL LLC | | |
| A provider of wastewater residual management and required environmental reporting, permitting, and record keeping to companies involved in poultry and food processing. | | |
| 12% Senior Subordinated Note due 2014 | \$ 1,162,110 | * |
| 6.79% Term Note due 2012 (C) | \$ 1,367,598 | * |
| 8.75% Term Note due 2012 (C) | \$ 1,446 | * |
| Limited Partnership Interest of Saw Mill Capital Fund V, LLC (B) | 3.97% int. | ** |
| Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) | 72 shs. | 04/28/06 |
| * 04/28/06 and 09/13/06. ** 03/01/05 and 10/10/08. | | |
| TORRENT GROUP HOLDINGS, INC. | | |
| A contractor specializing in the sales and installation of engineered drywells for the retention of nuisance water flow. | | |
| 12.5% Senior Subordinated Note due 2013 (D) | \$ 2,239,024 | 10/26/07 |
| Series A Preferred Stock (B) | 414 shs. | 10/26/07 |
| TOTAL E&S, INC. | | |
| A manufacturer of a wide variety of equipment used in the oil and gas industry. | | |
| 10.5% Senior Secured Term Note due 2013 | \$ 851,351 | 03/02/07 |
| 13% Senior Subordinated Note due 2014 (D) | \$ 598,450 | 03/02/07 |

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MassMutual Corporate Investors
CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|--|--|------------------------------|
| TRANSPAC HOLDING COMPANY | | |
| A designer, importer and wholesaler of home decor and seasonal gift products. | | |
| 12% Senior Subordinated Note due 2015 (D) | \$ 1,773,006 | 10/31/07 |
| Common Stock (B) | 209 shs. | 10/31/07 |
| Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B) | 94 shs. | 10/31/07 |
| TRANSTAR HOLDING COMPANY | | |
| A distributor of aftermarket automotive transmission parts. | | |
| 12% Senior Subordinated Note due 2014 | \$ 1,734,000 | 08/31/05 |
| Common Stock (B) | 1,078 shs. | * |
| Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B) | 86 shs. | 08/31/05 |
| * 08/31/05 and 04/30/07. | | |
| TRANZONIC COMPANIES (THE) | | |
| A producer of commercial and industrial supplies, such as safety products, janitorial supplies, w supplies and sanitary care products. | | |
| 13% Senior Subordinated Note due 2010 | \$ 2,712,000 | 02/05/98 |
| Common Stock (B) | 630 shs. | 02/04/98 |
| Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B) | 444 shs. | 02/05/98 |
| TRUCK BODIES & EQUIPMENT INTERNATIONAL | | |
| A designer and manufacturer of accessories for heavy and medium duty trucks, primarily dump bodie bed bodies, landscape bodies and other accessories. | | |
| 16% Senior Subordinated Note due 2010 (D) | \$ 2,309,541 | * |
| Preferred Stock Series B (B) | 241 shs. | 10/20/08 |
| Common Stock (B) | 742 shs. | * |
| Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B) | 153 shs. | * |
| Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) | 1,054 shs. | 10/20/08 |
| * 07/19/05 and 12/22/05. | | |
| TRUSTILE DOORS, INC. | | |
| A manufacturer and distributor of interior doors. | | |
| Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B) | 5,781 shs. | 04/11/03 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| <p>UMA ENTERPRISES, INC. An importer and wholesaler of home decor products.</p> | | |
| 15% Senior Subordinated Note due 2015 | \$ 1,773,283 | 02/08/08 |
| Convertible Preferred Stock (B) | 887 shs. | 02/08/08 |
| <p>U-LINE CORPORATION A manufacturer of high-end, built-in, undercounter ice making, wine storage and refrigeration app</p> | | |
| 14.5% Senior Subordinated Note due 2012 | \$ 1,882,100 | 04/30/04 |
| 14.5% PIK Note due 2012 | \$ 262,766 | 10/06/09 |
| Common Stock (B) | 182 shs. | 04/30/04 |
| Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B) | 230 shs. | 04/30/04 |
| <p>VISIONEERING, INC. A designer and manufacturer of tooling and fixtures for the aerospace industry.</p> | | |
| 10.5% Senior Secured Term Loan due 2013 | \$ 802,941 | 05/17/07 |
| 13% Senior Subordinated Note due 2014 | \$ 648,530 | 05/17/07 |
| 18% PIK Convertible Preferred Stock (B) | 37,381 shs. | 03/13/09 |
| Common Stock (B) | 123,529 shs. | 05/17/07 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 35,006 shs. | 05/17/07 |
| <p>VITEX PACKAGING GROUP, INC. A manufacturer of specialty packaging, primarily envelopes and tags used on tea bags.</p> | | |
| 10% Senior Subordinated PIK Note due 2011 (D) | \$ 161,137 | 07/19/04 |
| 5% Senior Subordinated PIK Note due 2011 (D) | \$ 850,000 | 06/30/07 |
| Class B Unit (B) | 767,881 uts. | 10/29/09 |
| Class C Unit (B) | 850,000 uts. | 10/29/09 |
| Limited Liability Company Unit Class A (B) | 723,465 uts. | * |
| Limited Liability Company Unit Class B (B) | 182,935 uts. | 07/19/04 |
| <p>*07/19/04 and 10/29/09.</p> | | |
| <p>WAGGIN' TRAIN HOLDINGS LLC A producer of premium quality meat dog treats.</p> | | |
| 14% Senior Subordinated Note due 2014 | \$ 2,230,702 | 11/15/07 |
| Limited Liability Company Unit Class B (B) | 423 uts. | 11/15/07 |
| Limited Liability Company Unit Class C (B) | 423 uts. | 11/15/07 |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Principal Amount Shares, Units or Ownership Percentage ----- | Acquisition Date ----- |
|---|--|------------------------------|
| WALLS INDUSTRIES, INC. | | |
| A provider of branded workwear and sporting goods apparel. | | |
| Limited Partnership Interest (B) | 0.40% int. | 07/12/04 |
| Common Stock (B) | 4,028 shs. | 12/21/07 |
| | | |
| WELLBORN FOREST HOLDING CO. | | |
| A manufacturer of semi-custom kitchen and bath cabinetry. | | |
| 14.13% Senior Subordinated Note due 2014 | \$ 1,721,250 | 11/30/06 |
| Common Stock (B) | 191 shs. | 11/30/06 |
| Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) | 95 shs. | 11/30/06 |
| | | |
| WORKPLACE MEDIA HOLDING CO. | | |
| A direct marketer specializing in providing advertisers with access to consumers in the workplace | | |
| 13% Senior Subordinated Note due 2015 | \$ 1,159,196 | 05/14/07 |
| Limited Partnership Interest (B) | 23.16% int. | 05/14/07 |
| Warrant, exercisable until 2015, to purchase common stock at \$.02 per share (B) | 88 shs. | 05/14/07 |
| | | |
| XALOY SUPERIOR HOLDINGS, INC. | | |
| A provider of melt processing components and ancillary equipment for both plastic injection molding | | |
| 15.5% Senior Subordinated Note due 2015 (D) | \$ 2,322,844 | 09/08/08 |
| Common Stock (B) | 283 shs. | 09/08/08 |

TOTAL PRIVATE PLACEMENT INVESTMENTS (E)

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
March 31, 2010
(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Interest Rate ----- | Due Date ----- | Principal Amount ----- | Cost ----- |
|--|---------------------------|----------------------|------------------------------|---------------|
| RULE 144A SECURITIES - 7.41%: | | | | |
| BONDS - 7.36% | | | | |
| ACCO Brands Corporation | 10.625% | 03/15/15 | \$ 100,000 | \$ 98,59 |
| Advanced Micro Devices, Inc. | 8.125 | 12/15/17 | 750,000 | 714,80 |
| American Tire Distributor (C) | 6.501 | 04/01/12 | 1,000,000 | 950,00 |
| Appleton Papers, Inc. | 11.250 | 12/15/15 | 303,000 | 300,00 |

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| | | | | |
|---|--------|----------|-----------|----------|
| Avis Budget Car Rental LLC | 9.625 | 03/15/18 | 85,000 | 83,83 |
| Cemex Finance LLC | 9.500 | 12/14/16 | 375,000 | 392,76 |
| Cenveo Corporation | 10.500 | 08/15/16 | 100,000 | 100,00 |
| Clear Channel Worldwide Holdings, Inc. | 9.250 | 12/15/17 | 750,000 | 750,00 |
| Coffeyville Resources LLC | 9.000 | 04/01/15 | 140,000 | 139,31 |
| Compucom Systems, Inc. | 12.500 | 10/01/15 | 1,330,000 | 1,293,84 |
| CONSOL Energy, Inc. | 8.250 | 04/01/20 | 35,000 | 35,00 |
| Cricket Communications, Inc. | 9.375 | 11/01/14 | 750,000 | 754,90 |
| Crosstex Energy, L.P. | 8.875 | 02/15/18 | 225,000 | 220,34 |
| Dae Aviation Holdings, Inc. | 11.250 | 08/01/15 | 100,000 | 95,50 |
| Douglas Dynamics LLC | 7.750 | 01/15/12 | 1,010,000 | 954,30 |
| Eastman Kodak Co. | 9.750 | 03/01/18 | 750,000 | 734,84 |
| Easton-Bell Sports, Inc. | 9.750 | 12/01/16 | 320,000 | 328,22 |
| Energy Future Holdings | 10.000 | 01/15/20 | 100,000 | 100,00 |
| G F S I, Inc. (C) | 10.500 | 06/01/11 | 715,000 | 685,65 |
| Gannett Company, Inc. | 9.375 | 11/15/17 | 125,000 | 123,22 |
| Great Atlantic & Pacific Tea Co. | 11.375 | 08/01/15 | 75,000 | 73,19 |
| Headwaters, Inc. | 11.375 | 11/01/14 | 500,000 | 519,27 |
| International Lease Finance Corporation | 8.625 | 09/15/15 | 140,000 | 137,78 |
| JohnsonDiversey, Inc. | 8.250 | 11/15/19 | 100,000 | 99,17 |
| L B I Escrow Corporation | 8.000 | 11/01/17 | 195,000 | 195,00 |
| Level 3 Financing, Inc. | 10.000 | 02/01/18 | 750,000 | 745,49 |
| McClatchy Co. | 11.500 | 02/15/17 | 275,000 | 271,76 |
| N F R Energy LLC | 9.750 | 02/15/17 | 200,000 | 197,46 |
| New Communications Holdings, Inc. | 8.250 | 04/15/17 | 750,000 | 750,00 |
| Packaging Dynamics Corporation of America | 10.000 | 05/01/16 | 1,200,000 | 1,194,82 |
| Pinnacle Foods Finance LLC | 9.250 | 04/01/15 | 75,000 | 75,00 |
| Reddy Ice Corporation | 13.250 | 11/01/15 | 100,000 | 102,50 |
| SandRidge Energy, Inc. | 8.000 | 06/01/18 | 360,000 | 363,97 |
| SandRidge Energy, Inc. | 8.750 | 01/15/20 | 750,000 | 744,97 |
| Sinclair Television Group, Inc. | 9.250 | 11/01/17 | 425,000 | 413,79 |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
March 31, 2010
(Unaudited)

| CORPORATE RESTRICTED SECURITIES: (A) (Continued) | Interest Rate | Due Date | Shares or Principal Amount | Cost |
|--|---------------|----------|----------------------------|-----------|
| Trimas Corporation | 9.750% | 12/15/17 | \$ 75,000 | \$ 73,52 |
| Tunica-Biloxi Gaming Authority | 9.000 | 11/15/15 | 1,075,000 | 1,098,68 |
| T W Telecom Holdings, Inc. | 8.000 | 03/01/18 | 20,000 | 19,85 |
| Univision Communications, Inc. | 12.000 | 07/01/14 | 200,000 | 214,69 |
| ViaSystems, Inc. | 12.000 | 01/15/15 | 175,000 | 168,80 |
| West Corporation | 11.000 | 10/15/16 | 150,000 | 159,36 |
| TOTAL BONDS | | | | 16,474,29 |
| CONVERTIBLE PREFERRED STOCK - 0.00% | | | | |
| ETEX Corporation (B) | | | 777 | 71 |
| TOTAL CONVERTIBLE PREFERRED STOCK | | | | 71 |

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| | | |
|---|-------|---------------|
| PREFERRED STOCK - 0.05% | | |
| General Motors Acceptance Corporation, Inc. | 143 | 45,000 |
| TherOX, Inc. (B) | 103 | 4,130 |
| TOTAL PREFERRED STOCK | | 49,130 |
| COMMON STOCK - 0.00% | | |
| Touchstone Health Partnership (B) | 1,168 | 4,250 |
| TOTAL COMMON STOCK | | 4,250 |
| TOTAL RULE 144A SECURITIES | | 16,528,400 |
| TOTAL CORPORATE RESTRICTED SECURITIES | | \$235,894,840 |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE PUBLIC SECURITIES - 19.35%: (A) | Interest Rate | Due Date | Principal Amount | Cost |
|--|------------------|-------------|---------------------|--------------|
| | ----- | ----- | ----- | ----- |
| BONDS - 18.34% | | | | |
| AMC Entertainment, Inc. | 11.000% | 02/01/16 | \$ 1,000,000 | \$ 1,003,390 |
| Affinia Group, Inc. | 9.000 | 11/30/14 | 50,000 | 48,500 |
| American Axle & Manufacturing Holding, Inc. | 7.875 | 03/01/17 | 750,000 | 608,620 |
| American General Finance Corporation | 6.500 | 09/15/17 | 375,000 | 322,500 |
| Atlas Pipeline Partners | 8.125 | 12/15/15 | 750,000 | 663,750 |
| Bally Total Fitness Holdings Corporation (F) | 14.000 | 10/01/13 | 104,062 | 74,050 |
| Berry Plastics Corporation | 8.875 | 09/15/14 | 750,000 | 705,000 |
| Berry Plastics Corporation (C) | 5.000 | 02/15/15 | 500,000 | 477,770 |
| Bon-Ton Stores, Inc. | 10.250 | 03/15/14 | 750,000 | 709,280 |
| Boyd Gaming Corporation | 6.750 | 04/15/14 | 150,000 | 137,250 |
| Boyd Gaming Corporation | 7.125 | 02/01/16 | 700,000 | 630,500 |
| Brigham Exploration Co. | 9.625 | 05/01/14 | 1,000,000 | 970,640 |
| C I T Group, Inc. | 7.000 | 05/01/15 | 790,000 | 738,000 |
| Cenveo Corporation | 7.875 | 12/01/13 | 1,300,000 | 1,192,500 |
| Chaparral Energy, Inc. | 8.875 | 02/01/17 | 1,000,000 | 991,780 |
| Dynegy Holdings, Inc. | 7.750 | 06/01/19 | 830,000 | 564,400 |
| Exide Corporation | 10.500 | 03/15/13 | 375,000 | 377,390 |
| Ford Motor Credit Co. | 7.450 | 07/16/31 | 500,000 | 441,500 |
| Ford Motor Credit Co. | 8.000 | 06/01/14 | 275,000 | 231,830 |
| Gencorp, Inc. | 9.500 | 08/15/13 | 259,000 | 259,000 |
| Goodyear Tire & Rubber Co. | 10.500 | 05/15/16 | 100,000 | 96,210 |
| Great Lakes Dredge & Dock Corporation | 7.750 | 12/15/13 | 1,000,000 | 948,750 |
| Harrah's Operating Co. | 11.250 | 06/01/17 | 325,000 | 313,500 |
| Hawker Beechcraft Acquisition Co. | 9.750 | 04/01/17 | 1,000,000 | 1,007,270 |
| Hertz Corporation | 10.500 | 01/01/16 | 750,000 | 775,940 |
| Intelsat Bermuda Ltd. | 9.250 | 06/15/16 | 1,365,000 | 1,406,680 |
| Interline Brands, Inc. | 8.125 | 06/15/14 | 1,000,000 | 992,540 |
| International Coal Group, Inc. | 9.125 | 04/01/18 | 175,000 | 173,770 |

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| | | | | |
|---|--------|----------|-----------|--------|
| International Lease Finance Corporation | 5.875 | 05/01/13 | 750,000 | 672,25 |
| Kar Holdings, Inc. | 8.750 | 05/01/14 | 50,000 | 50,00 |
| Liberty Media Corporation | 5.700 | 05/15/13 | 1,000,000 | 951,61 |
| Manitowoc Company, Inc. | 7.125 | 11/01/13 | 200,000 | 200,00 |
| Mariner Energy, Inc. | 11.750 | 06/30/16 | 160,000 | 155,73 |
| Markwest Energy Operating Co. | 6.875 | 11/01/14 | 70,000 | 55,57 |
| Markwest Energy Operating Co. | 8.750 | 04/15/18 | 125,000 | 123,97 |
| Michaels Stores, Inc. | 11.375 | 11/01/16 | 785,000 | 814,20 |
| Nebraska Book Company, Inc. | 8.625 | 03/15/12 | 750,000 | 676,87 |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE PUBLIC SECURITIES: (A) (Continued) | Interest Rate | Due Date | Principal Amount | Cost |
|--|------------------|-------------|---------------------|-----------|
| | ----- | ----- | ----- | ----- |
| Newark Group, Inc. | 9.750% | 03/15/14 | \$ 850,000 | \$ 796,86 |
| Nortek, Inc. | 11.000 | 12/01/13 | 175,778 | 173,17 |
| North American Energy Partners | 8.750 | 12/01/11 | 1,165,000 | 1,170,09 |
| Owens Corning, Inc. | 9.000 | 06/15/19 | 55,000 | 54,11 |
| Polypore, Inc. | 8.750 | 05/15/12 | 1,000,000 | 965,00 |
| Pregis Corporation | 12.375 | 10/15/13 | 1,000,000 | 981,49 |
| Quebecor Media, Inc. | 7.750 | 03/15/16 | 1,050,000 | 978,23 |
| Quiksilver, Inc. | 6.875 | 04/15/15 | 215,000 | 197,71 |
| RailAmerica, Inc. | 9.250 | 07/01/17 | 270,000 | 259,41 |
| Rental Service Corporation | 9.500 | 12/01/14 | 750,000 | 728,64 |
| Sabre Holdings Corporation | 8.350 | 03/15/16 | 500,000 | 455,00 |
| Sanmina-SCI Corporation | 8.125 | 03/01/16 | 375,000 | 374,06 |
| Seneca Gaming Corporation | 7.250 | 05/01/12 | 500,000 | 477,50 |
| Sheridan Acquisition Corporation | 10.250 | 08/15/11 | 375,000 | 370,00 |
| Speedway Motorsports, Inc. | 8.750 | 06/01/16 | 70,000 | 67,89 |
| Sprint Capital Corporation | 6.900 | 05/01/19 | 625,000 | 575,53 |
| Stanadyne Corporation | 10.000 | 08/15/14 | 1,000,000 | 1,000,00 |
| Stewart & Stevenson LLC | 10.000 | 07/15/14 | 1,465,000 | 1,491,48 |
| Stone Energy Corporation | 8.625 | 02/01/17 | 750,000 | 740,34 |
| T X U Energy Company LLC | 10.250 | 11/01/15 | 350,000 | 356,17 |
| Teck Resources Ltd. | 10.750 | 05/15/19 | 65,000 | 61,87 |
| Tekni-Plex, Inc. | 8.750 | 11/15/13 | 650,000 | 653,57 |
| Tenneco, Inc. | 8.125 | 11/15/15 | 1,100,000 | 540,00 |
| Texas Industries, Inc. | 7.250 | 07/15/13 | 70,000 | 70,00 |
| Thermadyne Holdings Corporation | 11.500 | 02/01/14 | 115,000 | 115,86 |
| Ticketmaster Entertainment, Inc. | 10.750 | 07/28/16 | 500,000 | 500,00 |
| Titan International, Inc. | 8.000 | 01/15/12 | 1,070,000 | 1,062,10 |
| Tube City IMS Corporation | 9.750 | 02/01/15 | 1,000,000 | 966,19 |
| United Components, Inc. | 9.375 | 06/15/13 | 1,080,000 | 1,079,88 |
| United Rentals, Inc. | 10.875 | 06/15/16 | 125,000 | 121,47 |
| Verso Paper Holdings LLC | 9.125 | 08/01/14 | 750,000 | 730,31 |
| Videotron, Ltd. | 9.125 | 04/15/18 | 40,000 | 39,37 |
| Waste Services, Inc. | 9.500 | 04/15/14 | 1,100,000 | 1,115,31 |
| | | | | ----- |
| TOTAL BONDS | | | | 39,831,31 |
| | | | | ----- |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| CORPORATE PUBLIC SECURITIES: (A) (Continued) | Interest Rate | Due Date | Shares or Principal Amount | Cost |
|--|-------------------------|-------------|----------------------------------|--------------|
| | ----- | ----- | ----- | ----- |
| COMMON STOCK - 1.00% | | | | |
| Chase Packaging Corporation (B) | | | 9,541 | \$ -- |
| CKX, Inc. (B) | | | 97,500 | 784,87 |
| Directed Electronics, Inc. (B) | | | 368,560 | 1,856,53 |
| El Paso Corporation (B) | | | 65,000 | 808,36 |
| Intrepid Potash, Inc. (B) | | | 365 | 11,68 |
| ITC^DeltaCom, Inc. (B) | | | 178,666 | 1,563,32 |
| Nortek, Inc. (B) | | | 175 | |
| Rue21, Inc. (B) | | | 650 | 12,35 |
| Supreme Industries, Inc. | | | 125,116 | 267,31 |
| | | | ----- | ----- |
| TOTAL COMMON STOCK | | | | 5,304,44 |
| | | | | ----- |
| CONVERTIBLE BONDS - 0.01% | | | | |
| Citadel Broadcasting Corporation | 4.000% | 02/15/11 | \$ 583,000 | 452,55 |
| | | | | ----- |
| TOTAL CONVERTIBLE BONDS | | | | 452,55 |
| | | | | ----- |
| TOTAL CORPORATE PUBLIC SECURITIES | | | | \$ 45,588,32 |
| | | | | ----- |
| SHORT-TERM SECURITIES: | | | | |
| | Interest Rate/Yield^ | Due Date | Principal Amount | Cost |
| | ----- | ----- | ----- | ----- |
| COMMERCIAL PAPER - 0.91% | | | | |
| Ryder System, Inc. | 0.233% | 04/12/10 | \$ 2,000,000 | 1,999,85 |
| | | | | ----- |
| TOTAL SHORT-TERM SECURITIES | | | | \$ 1,999,85 |
| | | | | ----- |
| TOTAL INVESTMENTS | 111.79% | | | \$283,483,02 |
| | | | | ===== |
| Other Assets | 4.23 | | | |
| Liabilities | (16.02) | | | |
| | ----- | | | |
| TOTAL NET ASSETS | 100.00% | | | |
| | ===== | | | |

- (A) In each of the convertible note, warrant, convertible preferred and common stock investments, agreed to provide certain registration rights.
- (B) Non-income producing security.
- (C) Variable rate security; rate indicated is as of 03/31/10.
- (D) Defaulted security; interest not accrued.
- (E) Illiquid securities. As of March 31, 2010, the value of these securities amounted to \$185,692 of net assets.
- (F) Security valued at fair value using methods determined in good faith by or under the direction of Trustees.

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^ Effective yield at purchase
 PIK - Payment-in-kind

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 March 31, 2010
 (Unaudited)

| INDUSTRY CLASSIFICATION: | Fair Value/ Market Value | |
|---|-----------------------------|----------------------------|
| | ----- | |
| | | |
| AEROSPACE - 4.02% | | BROADCASTING & ENTERTAINME |
| A E Company, Inc. | \$ 3,140,731 | Citadel Broadcasting Corpo |
| Dae Aviation Holdings, Inc. | 93,500 | CKX, Inc. |
| Gencorp, Inc. | 263,209 | Clear Channel Worldwide Ho |
| P A S Holdco LLC | 3,915,197 | Liberty Media Corporation |
| Visioneering, Inc. | 1,466,174 | Sinclair Television Group, |
| | ----- | Speedway Motorsports, Inc. |
| | 8,878,811 | Univision Communications, |
| | ----- | Workplace Media Holding Co |
| | | |
| AUTOMOBILE - 5.59% | | |
| American Tire Distributor | 901,250 | |
| American Axle & Manufacturing Holding, Inc. | 699,375 | BUILDINGS & REAL ESTATE - |
| Exide Corporation | 380,625 | K W P I Holdings Corporati |
| Goodyear Tire & Rubber Co. | 108,000 | Owens Corning, Inc. |
| Jason, Inc. | 48,184 | Texas Industries, Inc. |
| Nyloncraft, Inc. | 609,375 | TruStile Doors, Inc. |
| Ontario Drive & Gear Ltd. | 542,376 | |
| Qualis Automotive LLC | 2,574,205 | |
| Tenneco, Inc. | 1,124,750 | |
| Titan International, Inc. | 1,070,000 | |
| Transtar Holding Company | 3,199,650 | CHEMICAL, PLASTICS & RUBBE |
| United Components, Inc. | 1,085,400 | Capital Specialty Plastics |
| | ----- | |
| | 12,343,190 | |
| | ----- | |
| BEVERAGE, DRUG & FOOD - 6.74% | | CONSUMER PRODUCTS - 9.94% |
| Eatem Holding Company | 2,977,185 | Aero Holdings, Inc. |
| Golden County Foods Holding, Inc. | 2,082,129 | Bravo Sports Holding Corpo |
| Hospitality Mints Holding Company | 2,095,672 | Custom Engineered Wheels, |
| L H D Europe Holding, Inc. | 24,225 | Eastman Kodak Co. |
| Spartan Foods Holding Company | 1,915,316 | Easton-Bell Sports, Inc. |
| Specialty Commodities, Inc. | 2,608,190 | G F S I, Inc. |
| Waggin' Train Holdings LLC | 3,177,979 | JohnsonDiversey, Inc. |
| | ----- | K N B Holdings Corporation |
| | 14,880,696 | Kar Holdings, Inc. |
| | ----- | Manhattan Beachwear Holdin |
| | | Momentum Holding Co. |
| | | R A J Manufacturing Holdin |
| | | Reddy Ice Corporation |
| | | Royal Baths Manufacturing |
| | | The Tranzonic Companies |
| | | Walls Industries, Inc. |

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| INDUSTRY CLASSIFICATION: | Fair Value/ Market Value | |
|---|-----------------------------|----------------------------|
| | ----- | |
| CONTAINERS, PACKAGING & GLASS - 5.01% | | DIVERSIFIED/CONGLOMERATE, |
| Berry Plastics Corporation | \$ 1,209,688 | A S C Group, Inc. |
| Chase Packaging Corporation | 954 | A W X Holdings Corporation |
| Flutes, Inc. | 229,596 | ACCO Brands Corporation |
| Maverick Acquisition Company | 616,817 | Advanced Technologies Hold |
| P I I Holding Corporation | 3,001,272 | Affinia Group, Inc. |
| Packaging Dynamics Corporation of America | 895,500 | Apex Analytix Holding Corp |
| Paradigm Packaging, Inc. | 2,404,870 | Clough, Harbour, and Assoc |
| Pregis Corporation | 1,015,000 | Crane Rental Corporation |
| Tekni-Plex, Inc. | 520,000 | Diversco, Inc./DHI Holding |
| Vitex Packaging Group, Inc. | 1,157,158 | Dwyer Group, Inc. |
| | ----- | Insurance Claims Managemen |
| | 11,050,855 | Interline Brands, Inc. |
| | ----- | Mail Communications Group, |
| DISTRIBUTION - 1.78% | | Nesco Holdings Corporation |
| Duncan Systems, Inc. | 1,499,241 | Northwest Mailing Services |
| F C X Holdings Corporation | 2,432,491 | Pearlman Enterprises, Inc. |
| | ----- | Sabre Holdings Corporation |
| | 3,931,732 | Videotron, Ltd. |
| | ----- | |
| DIVERSIFIED/CONGLOMERATE, MANUFACTURING- | | |
| 7.80% | | |
| A H C Holding Company, Inc. | 2,832,704 | ELECTRONICS - 0.68% |
| Arrow Tru-Line Holdings, Inc. | 1,518,628 | Connecticut Electric, Inc. |
| C D N T, Inc. | 1,358,324 | Directed Electronics, Inc. |
| Douglas Dynamics LLC | 1,020,100 | Sanmina-SCI Corporation |
| Great Lakes Dredge & Dock Corporation | 1,008,750 | |
| Headwaters, Inc. | 521,875 | |
| K P I Holdings, Inc. | 1,579,892 | |
| MEGTEC Holdings, Inc. | 2,065,000 | FINANCIAL SERVICES - 1.86% |
| Milwaukee Gear Company | 2,118,461 | American General Finance C |
| Nortek, Inc. | 195,522 | C I T Group, Inc. |
| Polypore, Inc. | 1,001,250 | Cemex Finance LLC |
| Postle Aluminum Company LLC | 67,828 | Ford Motor Credit Co. |
| Thermadyne Holdings Corporation | 115,288 | General Motors Acceptance |
| Trimas Corporation | 77,625 | Hawker Beechcraft Acquisit |
| Truck Bodies & Equipment International | 577,385 | Highgate Capital LLC |
| Xaloy Superior Holdings, Inc. | 1,161,418 | International Lease Financ |
| | ----- | L B I Escrow Corporation |
| | 17,220,050 | |
| | ----- | |

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

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| INDUSTRY CLASSIFICATION: | Fair Value/ Market Value | |
|---|-----------------------------|-----------------------------|
| | ----- | |
| HEALTHCARE, EDUCATION & CHILDCARE - 3.28% | | MACHINERY - 9.38% |
| American Hospice Management Holding LLC | \$ 3,996,315 | A S A P Industries LLC |
| F H S Holdings LLC | 597,656 | Davis-Standard LLC |
| Synteract Holdings Corporation | 2,637,218 | E S P Holdco, Inc. |
| Touchstone Health Partnership | -- | K-Tek Holdings Corporation |
| | ----- | M V I Holding, Inc. |
| | 7,231,189 | Manitowoc Company, Inc. |
| | ----- | Navis Global |
| HOME & OFFICE FURNISHINGS, HOUSEWARES, AND DURABLE CONSUMER PRODUCTS - 9.38% | | NetShape Technologies, Inc. |
| Connor Sport Court International, Inc. | 2,614,058 | Pacific Consolidated Holdi |
| H M Holding Company | 342,550 | Power Services Holding Com |
| Home Decor Holding Company | 2,365,196 | R E I Delaware Holding, In |
| Justrite Manufacturing Acquisition Co. | 1,757,306 | Safety Speed Cut Manufactu |
| K H O F Holdings, Inc. | 2,705,685 | Stanadyne Corporation |
| Monessen Holding Corporation | 1,671,395 | Stewart & Stevenson LLC |
| Quiksilver, Inc. | 198,875 | Supreme Industries, Inc. |
| Stanton Carpet Holding Co. | 2,145,283 | |
| Transpac Holding Company | 1,595,705 | MEDICAL DEVICES/BIOTECH - |
| U M A Enterprises, Inc. | 2,003,834 | Coeur, Inc. |
| U-Line Corporation | 1,823,136 | E X C Acquisition Corporat |
| Wellborn Forest Holding Co. | 1,475,913 | ETEX Corporation |
| | ----- | MedSystems Holdings LLC |
| | 20,698,936 | MicroGroup, Inc. |
| | ----- | OakRiver Technology, Inc. |
| LEISURE, AMUSEMENT, ENTERTAINMENT - 3.18% | | Precision Wire Holding Com |
| A M C Entertainment, Inc. | 1,073,750 | TherOX, Inc. |
| Bally Total Fitness Holding Corporation | 10 | |
| Boyd Gaming Corporation | 715,375 | MINING, STEEL, IRON & NON- |
| Harrah's Operating Escrow LLC | 350,188 | METALS - 1.41% |
| Savage Sports Holding, Inc. | 2,807,763 | T H I Acquisition, Inc. |
| Seneca Gaming Corporation | 493,750 | Teck Resources Ltd. |
| Ticketmaster Entertainment, Inc. | 557,500 | Tube City IMS Corporation |
| Tunica-Biloxi Gaming Authority | 1,021,250 | |
| | ----- | |
| | 7,019,586 | |
| | ----- | |

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| INDUSTRY CLASSIFICATION: | Fair Value/ Market Value | |
|--------------------------------|-----------------------------|-----------------------------|
| | ----- | |
| NATURAL RESOURCES - 1.65% | | RETAIL STORES - 1.60% |
| Appleton Papers, Inc. | \$ 278,760 | Bon-Ton Stores, Inc. |
| Cenveo Corporation | 1,346,625 | Great Atlantic & Pacific T |
| CONSOL Energy, Inc. | 35,963 | Michaels Stores, Inc. |
| International Coal Group, Inc. | 178,938 | Nebraska Book Company, Inc. |
| Intrepid Potash, Inc. | 11,070 | Olympic Sales, Inc. |
| SandRidge Energy, Inc. | 1,073,250 | Pinnacle Foods Finance LLC |
| Verso Paper Holdings LLC | 727,500 | Rental Service Corporation |

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| | | |
|-------------------------------------|-----------|----------------------------|
| | ----- | Rue21, Inc. |
| | 3,652,106 | United Rentals, Inc. |
| | ----- | |
| OIL & GAS - 3.96% | | |
| Atlas Pipeline Partners | 723,750 | |
| Brigham Exploration Co. | 1,020,000 | TECHNOLOGY - 3.02% |
| Coffeyville Resources LLC | 142,450 | Advanced Micro Devices, In |
| Chaparral Energy, Inc. | 915,000 | Compucom Systems, Inc. |
| International Offshore Services LLC | 2,551,163 | Sencore Holding Company |
| Mariner Energy, Inc. | 179,600 | Smart Source Holdings LLC |
| N F R Energy LLC | 199,500 | ViaSystems, Inc. |
| North American Energy Partners | 1,165,000 | |
| Stone Energy Corporation | 738,750 | |
| Total E & S, Inc. | 1,108,008 | |
| | ----- | |
| | 8,743,221 | TELECOMMUNICATIONS - 4.07% |
| | ----- | All Current Holding Compan |
| PHARMACEUTICALS - 1.25% | | Cricket Communications, In |
| CorePharma LLC | 2,756,157 | Intelsat Bermuda Ltd. |
| | ----- | ITC^DeltaCom, Inc. |
| PUBLISHING/PRINTING - 1.06% | | Level 3 Financing, Inc. |
| Gannett Company, Inc. | 133,750 | New Communications Holding |
| McClatchy Co. | 281,188 | Sprint Capital Corporation |
| Newark Group, Inc. | 484,500 | Sundance Investco LLC |
| Quebecor Media, Inc. | 1,063,125 | T W Telecom Holdings, Inc. |
| Sheridan Acquisition Corporation | 372,188 | Telecorps Holdings, Inc. |
| | ----- | West Corporation |
| | 2,334,751 | |
| | ----- | |

See Notes to Consolidated Financial Statements

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010

(Unaudited)

| INDUSTRY CLASSIFICATION: | Fair Value/ Market Value |
|-------------------------------|-----------------------------|
| | ----- |
| TRANSPORTATION - 3.51% | |
| Avis Budget Car Rental LLC | \$ 88,825 |
| Hertz Corporation | 805,313 |
| NABCO, Inc. | 312,500 |
| RailAmerica, Inc. | 287,888 |
| Ryder System, Inc. | 1,999,859 |
| Tangent Rail Corporation | 4,254,069 |
| | ----- |
| | 7,748,454 |
| | ----- |
| UTILITIES - 0.95% | |
| Crosstex Energy, L.P. | 232,031 |
| Dynegy Holdings, Inc. | 626,650 |
| El Paso Corporation | 704,600 |
| Energy Future Holdings | 104,000 |
| Markwest Energy Operating Co. | 196,881 |
| T X U Energy Company LLC | 243,250 |

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| | |
|--------------------------------------|-----------------------------|
| | ----- 2,107,412 ----- |
| WASTE MANAGEMENT / POLLUTION - 1.51% | |
| Terra Renewal LLC | 2,208,834 |
| Torrent Group Holdings, Inc. | -- |
| Waste Services, Inc. | 1,133,000 |
| | ----- 3,341,834 ----- |
| TOTAL INVESTMENTS - 111.79% | \$ 246,768,616 ----- |

See Notes to Consolidated Financial Statements

INCOME TAX INFORMATION

The aggregate cost of investments is substantially the same for financial reporting and federal income tax purposes as of March 31, 2010. The net unrealized depreciation of investments for financial reporting and federal tax purposes as of March 31, 2010 is \$36,714,404 and consists of \$19,603,824 appreciation and \$56,318,228 depreciation.

FAIR VALUE MEASUREMENTS

In accordance with the authoritative guidance on fair value measurements and disclosures under accounting principles generally accepted in the United States of America ("U.S. GAAP"), the Trust discloses the fair value of its investments in a hierarchy that prioritizes the inputs to valuation techniques used to measure the fair value. The hierarchy gives the highest priority to valuations based upon unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurement) and the lowest priority to valuations based upon unobservable inputs that are significant to the valuation (level 3 measurements). The guidance establishes three levels of the fair value hierarchy as follows:

- Level 1: quoted prices in active markets for identical securities
- Level 2: other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.)
- Level 3: significant unobservable inputs (including the Trust's own assumptions in determining the fair value of investments)

The inputs and methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The following is a summary of the inputs used to value the Trust's net assets as of March 31, 2010:

| ASSETS: | TOTAL | LEVEL 1 | LEVEL 2 | LEVEL 3 |
|-----------------------|---------------|---------|--------------|---------------|
| ----- | | | | |
| Restricted Securities | | | | |
| Bonds | \$172,475,637 | \$ -- | \$16,250,433 | \$156,225,204 |
| Common Stock | 14,979,242 | -- | -- | 14,979,242 |

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| | | | | |
|-----------------------|---------------|-------------|--------------|---------------|
| Preferred Stock | 7,281,180 | -- | 109,002 | 7,172,178 |
| Partnerships and LLCs | 7,315,757 | -- | -- | 7,315,757 |
| Public Securities | | | | |
| Bonds | 40,516,042 | -- | 40,516,032 | 10 |
| Common Stock | 2,200,899 | 2,193,899 | 7,000 | -- |
| Short-term Securities | 1,999,859 | -- | 1,999,859 | -- |
| ----- | | | | |
| TOTAL | \$246,768,616 | \$2,193,899 | \$58,882,324 | \$185,692,391 |

Following is a reconciliation of Level 3 assets for which significant unobservable inputs were used to determine fair value:

| Assets: | Beginning balance at 12/31/2009 | Total gains or losses (realized/ unrealized) | Purchases, sales, issuances & settlements (net) | Transfers in and/or out of Level 3 |
|-------------------------|---------------------------------------|---|--|--|
| ----- | | | | |
| Restricted Securities | | | | |
| Bonds | \$152,772,751 | \$ (1,041,323) | \$5,443,176 | \$ (949,400) |
| Common Stock | 14,693,318 | (822,055) | 1,107,979 | -- |
| Preferred Stock | 6,638,626 | 531,187 | 2,365 | -- |
| Partnerships and LLCs | 6,678,496 | 610,002 | 27,259 | -- |
| Public Securities Bonds | 10 | -- | -- | -- |
| ----- | | | | |
| | \$180,783,201 | \$ (722,189) | \$6,580,779 | \$ (949,400) |

ITEM 2. CONTROLS AND PROCEDURES.

(a) The principal executive officer and principal financial officer of the Registrant evaluated the effectiveness of the Registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "Act") as of a date within 90 days of the filing date of this report and based on that evaluation have concluded that such disclosure controls and procedures are effective to provide reasonable assurance that material information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms.

(b) There were no changes in the Registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) that occurred during the Registrant's last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

Certifications pursuant to Rule 30a-2(a) under the Investment Company Act of 1940 (17 CFR 270.30a-2(a)) are attached hereto as an exhibit.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) MassMutual Corporate Investors

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By (Signature and Title)* /s/ Michael L. Klofas

Michael L. Klofas, President

Date May 28, 2010

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By (Signature and Title)* /s/ Michael L. Klofas

Michael L. Klofas, President

Date May 28, 2010

By (Signature and Title)* /s/ James M. Roy

James M. Roy, Vice President and
Chief Financial Officer

Date May 28, 2010

* PRINT THE NAME AND TITLE OF EACH SIGNING OFFICER UNDER HIS OR HER SIGNATURE.