

MASSMUTUAL CORPORATE INVESTORS

Form N-Q

November 30, 2009

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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: 09/30/09

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CONSOLIDATED SCHEDULE OF INVESTMENTS

MassMutual Corporate Investors

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September 30, 2009
(Unaudited)

	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
CORPORATE RESTRICTED SECURITIES - 87.32%:(A)		
PRIVATE PLACEMENT INVESTMENTS - 82.27%		
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	\$ 2,460,057	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	\$ 1,134,594	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 T I ACQUISITION COMPANY		
A for-profit post-secondary school serving students in Texas, Florida and Arizona.		
12% Senior Subordinated Note due 2012	\$ 2,125,000	04/08/04
Warrant, exercisable until 2012, to purchase preferred stock at \$.01 per share (B)	13 shs.	11/16/07
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)	2,323 shs.	04/08/04
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
ADVANCED TECHNOLOGIES HOLDINGS		
A provider of factory maintenance services to industrial companies.		
15% Senior Subordinated Note due 2013	\$ 2,150,251	12/27/07
Preferred Stock (B)	1,031 shs.	12/27/07

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
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
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
ARROW TRU-LINE HOLDINGS, INC.		
A manufacturer of hardware for residential and commercial overhead garage doors in North America.		
12% Senior Subordinated Note due 2012	\$ 1,627,660	05/18/05
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

* 01/22/04 and 06/09/08.

** 01/22/04 and 09/12/06.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

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September 30, 2009

(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
BRAVO SPORTS HOLDING CORPORATION		
A designer and marketer of niche branded consumer products including canopies, trampolines, in-line 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
C D N T, 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.	*
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
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 (D)	\$ 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

* 12/30/97 and 05/29/99.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
CONNOR SPORT COURT INTERNATIONAL, INC.		
A designer and manufacturer of outdoor and indoor synthetic sports flooring and other temporary flooring		
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.	*
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
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)	3,278 shs.	12/14/01
Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)	13,352 shs.	**

* 08/12/04 and 01/14/05.

** 10/24/96 and 08/28/98.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
DUNCAN SYSTEMS, INC.		
A distributor of windshields and side glass for the recreational vehicle market.		
10% Senior Secured Term Note due 2013	\$ 540,000	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
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
E S P HOLDCO, INC.		
A manufacturer of power protection technology for commercial office equipment, primarily supplying network.		
14% Senior Subordinated Note due 2015	\$ 2,298,123	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
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	\$ 2,176,059	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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* 10/30/03 and 01/02/04.

 CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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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 products.		
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
Common Stock (B)	109,436 shs.	04/13/06
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	30,940 shs.	04/13/06
FOWLER HOLDING, INC.		
A provider of site development services to residential homebuilders and developers in the Raleigh-Durham area.		
12% Senior Subordinated Note due 2013 (D)	\$ 2,365,217	02/03/06
Common Stock (B)	185 shs.	02/03/06
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	254 shs.	02/03/06
FUEL SYSTEMS HOLDING CORPORATION		
An independent North American supplier of fuel tanks for a wide variety of commercial vehicles.		
12% Senior Subordinated Note due 2014 (D)	\$ 2,337,500	01/31/06
Preferred Stock (B)	31,718 shs.	06/12/08
Common Stock (B)	212,500 shs.	01/31/06
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	138,408 shs.	01/31/06
GOLDEN COUNTY FOODS HOLDING, INC.		
A manufacturer of frozen appetizers and snacks.		
12% Senior Subordinated Note due 2015	\$ 1,912,500	11/01/07
16% PIK Note due 2015	\$ 392,029	12/31/08
8% Series A Convertible Preferred Stock, convertible into 4.25% of the fully diluted common shares (B)	146,658 shs.	11/01/07
H M HOLDING COMPANY		
A designer, manufacturer, and importer of promotional and wood furniture.		
12% Senior Subordinated Note due 2013 (D)	\$ 2,210,000	02/10/06
Preferred Stock (B)	40 shs.	*
Common Stock (B)	340 shs.	02/10/06

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Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	126 shs.	02/10/06
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* 09/18/07 and 06/27/08.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
HIGHGATE CAPITAL LLC		
An acquirer of controlling or substantial interests in manufacturing and marketing entities.		
Series A Preferred Units (B)	1.19% int.	7/21/94
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.	*
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
INTEGRATION TECHNOLOGY SYSTEMS, INC.		
A manufacturer of steel protective computer and network systems for the industrial and office environments		
12% Senior Subordinated Note due on demand	\$ 43,943	03/01/04
Common Stock (B)	228 shs.	06/01/00
INTERNATIONAL OFFSHORE SERVICES LLC		
A leading provider of marine transportation services, platform decommissioning, and salvage services in the shallow waters of the Gulf of Mexico.		

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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

* 06/30/04 and 08/19/04.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
JASON, INC.		
A diversified manufacturing company serving various industrial markets.		
13% Senior Subordinated Note due 2010 (D)	\$ 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		
14% Senior Subordinated Note due 2014	\$ 2,422,271	10/15/07
Common Stock (B)	220,673 shs.	10/15/07
K N B HOLDINGS CORPORATION		
A designer, manufacturer and marketer of products for the custom framing market.		
13.5% Senior Subordinated Note due 2013	\$ 2,540,051	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 (D)	\$ 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		

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common stock at \$.01 per share (B)

96 shs.

07/16/08

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

September 30, 2009

(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
 K W P I HOLDINGS CORPORATION		
A manufacturer and distributor of vinyl windows and patio doors throughout the northwestern United States		
12.75% Senior Subordinated Note due 2014	\$ 2,593,530	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	\$ 2,264,747	12/20/07
Preferred Stock (B)	363,260 shs.	12/20/07
Common Stock (B)	102,616 shs.	12/20/07
 M V I HOLDING, INC.		
A manufacturer of large precision machined metal components used in equipment which services a variety of oil & gas, mining, and defense markets.		
13% Senior Subordinated Note due 2016	\$ 1,227,086	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
 MAVERICK ACQUISITION COMPANY		
A manufacturer of capsules that cover the cork and neck of wine bottles.		
6.78% Senior Secured Tranche A Note due 2010 (C)	\$ 300,546	09/03/04
12.5% Senior Secured Tranche B Note due 2011	\$ 313,433	09/03/04

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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

* 05/04/07 and 01/02/08.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
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	\$ 1,160,737	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
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)	388,983 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	\$ 2,685,614	*
Common Stock (B)	450 shs.	*
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	164 shs.	*
MILWAUKEE GEAR COMPANY		
A manufacturer of high-precision custom gears and gear drives used by original equipment manufact		
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

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MOMENTUM HOLDING CO.

A designer and supplier of upholstery fabric to commercial furniture manufacturers and architectural
 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

* 08/12/05 and 09/11/06.

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
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 (Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
MONESSEN HOLDING CORPORATION		
A designer and manufacturer of a broad line of gas, wood, and electric hearth products and accessories		
14% Senior Subordinated Note due 2014	\$ 2,550,000	07/25/08
14% PIK Note due 2014	\$ 679,750	07/25/08
Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B)	152 shs.	03/31/06
NABCO, INC.		
A producer of explosive containment vessels in the United States.		
14% Senior Subordinated Note due 2014	\$ 815,419	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
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	\$ 117,978	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
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	203,912 shs.	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

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

 CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 September 30, 2009
 (Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
NETSHAPE TECHNOLOGIES, INC.		
A manufacturer of powder metal and metal injection molded precision components used in industrial		
12% Senior Subordinated Note due 2014	\$ 1,530,000	02/02/07
Limited Partnership Interest of		
Saw Mill PCG Partners LLC (B)	2.61% int.	02/01/07
Limited Liability Company Unit Class D of		
Saw Mill PCG Partners LLC (B)	42 uts.	*
Preferred Stock Class A (B)	1 sh.	12/18/08
Preferred Stock Class A-1 (B)	2 shs.	09/30/09
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	91 shs.	02/02/07
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.		
9% Senior Secured Note due 2009	\$ 812,500	01/28/02
11.5% Senior Subordinated Note due 2012 (D)	\$ 1,500,000	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	\$ 293,600	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

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

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
OLYMPIC SALES, INC.		
A boat retailer in Washington state, Oregon, California and British Columbia.		
12% Senior Subordinated Note due 2009 (D)	\$ 1,022,000	08/07/98
12% Senior Subordinated Note due 2009 (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
P A S HOLDCO LLC		
An independent provider of maintenance, repair and overhaul services to the aerospace gas turbine		
14% Senior Subordinated Note due 2014	\$ 2,312,679	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		

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PPI Investments, Inc., LLC (B)

2.42% int.

12/21/00

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES:(A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
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
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 performance serving 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
QUALIS AUTOMOTIVE LLC		
A distributor of aftermarket automotive brake and chassis products.		
12% 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
R A J MANUFACTURING HOLDINGS LLC		
A designer and manufacturer of women's swimwear sold under a variety of licensed brand names.		
12.5% Senior Subordinated Note due 2014	\$ 2,267,190	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

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
R E I 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
SENCORE HOLDING COMPANY		
A designer, manufacturer, and marketer of decoders, receivers and modulators sold to broadcasters and 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	**

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Limited Liability Company Unit (B)	619 uts.	**
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	157 shs.	**

* 09/10/04 and 10/05/07.

** 08/31/07 and 03/06/08.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

September 30, 2009

(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
SPECIALTY COMMODITIES, INC.		
A distributor of specialty food ingredients.		
13.25% Senior Subordinated Note due 2016	\$ 2,276,443	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
SYNTERACT HOLDINGS CORPORATION		
A provider of outsourced clinical trial management services to pharmaceutical and biotechnology c		
14% Senior Subordinated Note due 2016	\$ 2,577,956	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
TANGENT RAIL CORPORATION		
A manufacturer of rail ties and provider of specialty services to the North American railroad ind		
13% Senior Subordinated Note due 2015	\$ 2,217,385	10/14/05
Common Stock (B)	2,203 shs.	10/14/05

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Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	1,192 shs.	09/30/08
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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.

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
TERRA RENEWAL LLC		
A provider of wastewater residual management and required environmental reporting, permitting, nu record keeping to companies involved in poultry and food processing.		
12% Senior Subordinated Note due 2014	\$ 1,162,110	*
6.75% Term Note due 2012 (C)	\$ 1,508,259	*
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

TORRENT GROUP HOLDINGS, INC.

A contractor specializing in the sales and installation of engineered drywells for the retention nuisance water flow.		
12.5% Senior Subordinated Note due 2013	\$ 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	\$ 598,450	03/02/07
Common Stock (B)	125,199 shs.	03/02/07
Warrant, exercisable until 2014 to purchase common stock at \$.01 per share (B)	34,533 shs.	03/02/07

TRANSPAC HOLDING COMPANY

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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

* 04/28/06 and 09/13/06.

** 03/01/05 and 10/10/08.

*** 08/31/05 and 04/30/07.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) September 30, 2009 (Unaudited)

	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
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 bodies, landscape bodies and other accessories.		
16% Senior Subordinated Note due 2010 (D)	\$ 2,309,541	*
16% PIK Note due 2010 (D)	\$ 639,464	12/30/08
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
TRUSTILE DOORS, INC.		
A manufacturer and distributor of interior doors.		
Warrant, exercisable until 2010, to purchase		

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common stock at \$.01 per share (B)	5,781 shs.	04/11/03
 U M A ENTERPRISES, INC.		
An importer and wholesaler of home decor products.		
15% Senior Subordinated Note due 2015	\$ 1,746,980	02/08/08
Convertible Preferred Stock (B)	887 shs.	02/08/08
 U-LINE CORPORATION		
A manufacturer of high-end, built-in, undercounter ice making, wine storage and refrigeration app		
12.5% Senior Subordinated Note due 2012	\$ 1,882,100	04/30/04
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

* 07/19/05 and 12/22/05.

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
CORPORATE RESTRICTED SECURITIES:(A) (Continued)	-----	-----
 VISIONEERING, INC.		
A designer and manufacturer of tooling and fixtures for the aerospace industry.		
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
 VITALITY FOODSERVICE, INC.		
A non-carbonated beverage dispensing company focused on the foodservice industry.		
13% Senior Subordinated Note due 2011	\$ 1,887,288	09/24/04
Common Stock (B)	26,456 shs.	*
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,787 shs.	09/24/04
 VITEX PACKAGING GROUP, INC.		
A manufacturer of specialty packaging, primarily envelopes and tags used on tea bags.		
12.5% Senior Subordinated Note due 2012 (D)	\$ 1,700,000	07/19/04
14.5% PIK Note due 2010 (D)	\$ 407,956	06/30/07
Limited Liability Company Unit Class A (B)	414,375 uts.	07/19/04
Limited Liability Company Unit Class B (B)	182,935 uts.	07/19/04

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WAGGIN' TRAIN HOLDINGS LLC

A producer of premium quality meat dog treats.

14% Senior Subordinated Note due 2014	\$ 2,208,561	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

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.

12.13% 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

* 09/24/04 and 12/22/06.

MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES:(A) (Continued)	Principal Amount Shares, Units or Ownership Percentage -----	Acquisition Date -----
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% Senior Subordinated Note due 2015 (D)	\$ 2,322,844	09/08/08
Common Stock (B) 283 shs.	09/08/08	

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TOTAL PRIVATE PLACEMENT INVESTMENTS (E)

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MassMutual Corporate Investors
 CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 September 30, 2009
 (Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
RULE 144A SECURITIES - 5.05%:				
BONDS - 5.01%				
ACCO Brands Corporation	10.625%	03/15/15	\$ 100,000	\$ 98,500
Affinia Group, Inc.	10.750	08/15/16	50,000	49,400
American Tire Distributor (C)	6.847	04/01/12	1,000,000	950,000
Appleton Papers, Inc.	11.250	12/15/15	303,000	300,000
Cenveo Corporation	10.500	08/15/16	100,000	100,000
Charter Communications Op LLC	8.000	04/30/12	1,350,000	1,152,250
Compucom Systems, Inc.	12.500	10/01/15	1,330,000	1,291,670
Douglas Dynamics LLC	7.750	01/15/12	1,010,000	954,630
G F S I, Inc. (C)	10.500	06/01/11	715,000	685,650
General Motors Acceptance Corporation	7.750	01/19/10	815,000	733,170
Gannett Company, Inc.	8.750	11/15/14	45,000	44,300
Gannett Company, Inc.	9.375	11/15/17	125,000	123,220
Great Atlantic & Pacific Tea Co.	11.375	08/01/15	75,000	73,070
H C A, Inc.	9.875	02/15/17	35,000	33,890
Harrah's Operating Escrow LLC	11.250	06/01/17	325,000	313,010
Intergen NV	9.000	06/30/17	750,000	743,910
Interpublic Group of Companies	10.000	07/15/17	75,000	73,500
Markwest Energy Operating Co.	6.875	11/01/14	70,000	55,300
MGM Mirage, Inc.	10.375	05/15/14	45,000	43,800
MGM Mirage, Inc.	11.125	11/15/17	75,000	73,050
Newpage Corporation	11.375	12/31/14	725,000	709,590
Packaging Dynamics Corporation of America	10.000	05/01/16	1,200,000	1,194,960
RailAmerica, Inc.	9.250	07/01/17	300,000	288,040
SandRidge Energy, Inc.	8.000	06/01/18	360,000	364,140
Solo Cup Co.	10.500	11/01/13	55,000	53,900
Speedway Motorsports, Inc.	8.750	06/01/16	70,000	67,860
Tunica-Biloxi Gaming Authority	9.000	11/15/15	1,075,000	1,100,300
United Rentals, Inc.	10.875	06/15/16	125,000	121,410
TOTAL BONDS				11,792,640

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CONVERTIBLE PREFERRED STOCK - 0.00%		
ETEX Corporation (B)	777	71

TOTAL CONVERTIBLE PREFERRED STOCK		71

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares	Cost
	-----	-----
PREFERRED STOCK - 0.04%		
Preferred Blocker, Inc.	143	\$ 45,00
TherOX, Inc. (B)	103	4,13

TOTAL PREFERRED STOCK		49,14

COMMON STOCK - 0.00%		
Touchstone Health Partnership (B)	1,168	4,25

TOTAL COMMON STOCK		4,25

TOTAL RULE 144A SECURITIES		11,846,75

TOTAL CORPORATE RESTRICTED SECURITIES		\$222,852,69

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

MassMutual Corporate Investors

CORPORATE PUBLIC SECURITIES - 22.50%: (A)	Interest Rate	Due Date	Principal Amount	Cost
	-----	-----	-----	-----
BONDS - 20.96%				

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A M C Entertainment, Inc.	8.750%	02/01/16	\$ 750,000	\$ 732,20
A M C Entertainment, Inc.	11.000	02/01/16	1,315,000	1,321,45
Activant Solutions, Inc.	9.500	05/01/16	150,000	150,00
Aramark Corporation (C)	3.983	02/01/15	200,000	200,00
Aramark Corporation	8.500	02/01/15	500,000	502,14
Bally Total Fitness Holdings Corporation (F)	14.000	10/01/13	104,062	74,05
Basic Energy Services	7.125	04/15/16	225,000	225,00
Berry Plastics Corporation (C)	5.259	02/15/15	500,000	476,01
Brigham Exploration Co.	9.625	05/01/14	1,200,000	1,167,90
Cenveo Corporation	7.875	12/01/13	1,300,000	1,192,50
Chaparral Energy, Inc.	8.875	02/01/17	1,500,000	1,491,78
Cincinnati Bell, Inc.	7.000	02/15/15	900,000	645,75
Community Health Systems, Inc.	8.875	07/15/15	1,200,000	1,169,41
Corrections Corporation of America	7.750	06/01/17	150,000	145,80
Denbury Resources, Inc.	9.750	03/01/16	50,000	46,63
Dynegy Holdings, Inc.	7.750	06/01/19	830,000	564,40
El Paso Corporation	12.000	12/12/13	55,000	49,60
Ford Motor Credit Co.	7.500	08/01/12	100,000	91,96
Ford Motor Credit Co.	8.000	06/01/14	275,000	228,02
Gencorp, Inc.	9.500	08/15/13	259,000	259,00
Goodyear Tire & Rubber Co.	10.500	05/15/16	100,000	96,00
Graham Packaging Corporation	8.500	10/15/12	280,000	268,80
Great Lakes Dredge & Dock Corporation	7.750	12/15/13	1,000,000	948,75
Hawker Beechcraft Acquisition Co.	9.750	04/01/17	1,000,000	1,008,22
Hughes Network Systems	9.500	04/15/14	1,325,000	1,344,29
Inergy LP	8.250	03/01/16	470,000	480,31
Intelsat Bermuda Ltd.	9.250	06/15/16	1,365,000	1,409,18
Interline Brands, Inc.	8.125	06/15/14	1,300,000	1,291,10
Iron Mountain, Inc.	8.375	08/15/21	45,000	44,83
Kar Holdings, Inc.	8.750	05/01/14	50,000	50,00
Leucadia National Corporation	7.000	08/15/13	450,000	450,64
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	155,48
Markwest Energy Operating Co.	6.875	11/01/14	950,000	930,56
Markwest Energy Operating Co.	8.750	04/15/18	125,000	123,97
N R G Energy, Inc.	8.500	06/15/19	200,000	196,69

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

CORPORATE PUBLIC SECURITIES: (A) (Continued)	Interest Rate	Due Date	Principal Amount	Cost
	-----	-----	-----	-----
Newark Group, Inc. (F)	9.750%	03/15/14	\$ 850,000	\$ 796,86
Nortek, Inc.	10.000	12/01/13	175,000	173,17
North American Energy Partners	8.750	12/01/11	1,165,000	1,171,49
Owens Corning, Inc.	9.000	06/15/19	55,000	54,11
Pliant Corporation	11.125	12/15/09	550,000	539,00
Pliant Corporation (C)	11.850	12/15/09	1,111,500	1,081,14
Polypore, Inc.	8.750	05/15/12	1,460,000	1,410,05
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
Rental Service Corporation	9.500	12/01/14	500,000	484,18
Rock-Tenn Co.	9.250	03/15/16	1,075,000	1,112,37
Scholastic Corporation	5.000	04/15/13	1,500,000	1,278,75

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Seneca Gaming Corporation	7.250	05/01/12	500,000	477,50
Sheridan Acquisition Corporation	10.250	08/15/11	375,000	370,00
Stanadyne Corporation	10.000	08/15/14	1,500,000	1,500,00
Stewart & Stevenson LLC	10.000	07/15/14	1,465,000	1,493,94
T X U Energy Company LLC	10.250	11/01/15	1,250,000	1,260,97
Teck Resources Ltd.	9.750	05/15/14	50,000	47,78
Teck Resources Ltd.	10.250	05/15/16	75,000	71,16
Teck Resources Ltd.	10.750	05/15/19	65,000	61,76
Tekni-Plex, Inc.	8.750	11/15/13	650,000	653,98
Tenneco, Inc.	8.125	11/15/15	1,100,000	540,00
Texas Industries, Inc.	7.250	07/15/13	70,000	70,00
Ticketmaster Entertainment, Inc.	10.750	07/28/16	500,000	500,00
Time Warner Telecom Holdings	9.250	02/15/14	1,000,000	1,007,90
Titan International, Inc.	8.000	01/15/12	1,070,000	1,062,10
Transdigm, Inc.	7.750	07/15/14	500,000	503,09
Trimas Corporation	9.875	06/15/12	1,073,000	982,37
Tube City IMS Corporation	9.750	02/01/15	1,500,000	1,483,20
United Components, Inc.	9.375	06/15/13	1,080,000	1,080,17
United Rentals, Inc.	6.500	02/15/12	1,125,000	815,62
Videotron, Ltd.	9.125	04/15/18	40,000	39,37
Virgin Media Finance PLC	9.125	08/15/16	1,380,000	1,411,65
Vought Aircraft Industries	8.000	07/15/11	1,150,000	1,115,39
Waste Services, Inc.	9.500	04/15/14	1,100,000	1,116,86
TOTAL BONDS				48,409,90

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

September 30, 2009

(Unaudited)

CORPORATE PUBLIC SECURITIES: (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
COMMON STOCK - 1.50%				
A123 Systems Inc.			650	\$ 8,77
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
EnerNOC, Inc. (B)			37,361	994,61
ITC^DeltaCom, Inc. (B)			178,666	1,563,32
Intrepid Potash, Inc. (B)			365	11,68
Supreme Industries, Inc.			125,116	267,32
TOTAL COMMON STOCK				6,295,49
CONVERTIBLE BONDS - 0.04%				
Citadel Broadcasting Corporation	4.000%	02/15/11	\$ 583,000	452,55
TOTAL CONVERTIBLE BONDS				452,55
TOTAL CORPORATE PUBLIC SECURITIES				\$ 55,157,94

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TOTAL INVESTMENTS	109.82%	\$278,010,64
Other Assets	4.50	=====
Liabilities	(14.32)	
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 09/30/09.
- (D) Defaulted security; interest not accrued.
- (E) Illiquid securities. At September 30, 2009, the value of these securities amounted to \$179,95 of net assets.
- (F) Security valued at fair value using methods determined in good faith by or under the direction of Trustees.

PIK - Payment-in-kind

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

INDUSTRY CLASSIFICATION:	Fair Value/ Market Value	

AEROSPACE - 3.69%		BUILDINGS & REAL ESTATE -
Gencorp, Inc.	\$ 207,200	K W P I Holdings Corporati
Hughes Network Systems	1,331,625	Owens Corning, Inc.
P A S Holdco LLC	3,355,618	Texas Industries, Inc.
Transdigm, Inc.	496,250	TruStile Doors, Inc.
Visioneering, Inc.	1,541,725	
Vought Aircraft Industries	1,138,500	

	8,070,918	CHEMICAL, PLASTICS & RUBBER
	-----	Capital Specialty Plastics
AUTOMOBILE - 4.69%		CONSUMER PRODUCTS - 7.31%
American Tire Distributor	830,000	Aero Holdings, Inc.
Fuel Systems Holding Corporation	--	Bravo Sports Holding Corpo
Goodyear Tire & Rubber Co.	108,500	G F S I, Inc.
Jason, Inc.	481,844	K N B Holdings Corporation
Nyloncraft, Inc.	609,375	Kar Holdings, Inc.
Ontario Drive & Gear Ltd.	529,964	Momentum Holding Co.
Qualis Automotive LLC	1,912,132	R A J Manufacturing Holdin
Tenneco, Inc.	1,067,000	Royal Baths Manufacturing
Titan International, Inc.	1,035,225	The Tranzonic Companies
Transtar Holding Company	2,809,835	Walls Industries, Inc.
United Components, Inc.	866,700	

	10,250,575	

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BEVERAGE, DRUG & FOOD - 4.46%	
Aramark Corporation	677,875
Golden County Foods Holding, Inc.	1,843,623
Hospitality Mints Holding Company	2,182,115
Specialty Commodities, Inc.	2,629,848
Vitality Foodservice, Inc.	2,428,007

	9,761,468

BROADCASTING & ENTERTAINMENT - 2.61%	
Charter Communications Op LLC	1,373,625
Citadel Broadcasting Corporation	87,450
CKX, Inc.	654,225
Interpublic Group of Companies	81,000
Liberty Media Corporation	947,500
Speedway Motorsports, Inc.	72,800
Virgin Media Finance PLC	1,417,950
Workplace Media Holding Co.	1,071,105

	5,705,655

CONTAINERS, PACKAGING & GL
 Berry Plastics Corporation
 Chase Packaging Corporation
 Flutes, Inc.
 Graham Packaging Corporation
 Maverick Acquisition Compa
 P I I Holding Corporation
 Packaging Dynamics Corpora
 Paradigm Packaging, Inc.
 Pliant Corporation
 Pregis Corporation
 Solo Cup Co.
 Tekni-Plex, Inc.
 Vitex Packaging Group, Inc

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 September 30, 2009
 (Unaudited)

INDUSTRY CLASSIFICATION: (Continued)	Fair Value/ Market Value	-----
DISTRIBUTION - 1.85%		
Duncan Systems, Inc.	\$ 1,604,845	
F C X Holdings Corporation	2,442,908	

	4,047,753	

DIVERSIFIED/CONGLOMERATE, MANUFACTURING - 8.70%		
A H C Holding Company, Inc.	2,723,231	
Activant Solutions, Inc.	134,250	
Arrow Tru-Line Holdings, Inc.	1,383,511	
C D N T, Inc.	1,386,047	
Douglas Dynamics LLC	868,600	
Great Lakes Dredge & Dock Corporation	981,250	
K P I Holdings, Inc.	1,639,495	
MEGTEC Holdings, Inc.	2,240,579	
Milwaukee Gear Company	2,572,879	
Nortek, Inc.	178,500	
Polypore, Inc.	1,423,500	
Postle Aluminum Company LLC	617,353	
Trimas Corporation	968,383	
Truck Bodies & Equipment International	737,251	
Xaloy Superior Holdings, Inc.	1,161,415	

	19,016,244	

DIVERSIFIED/CONGLOMERATE,
 ACCO Brands Corporation
 A W X Holdings Corporation
 Advanced Technologies Hold
 Affinia Group, Inc.
 Apex Analytix Holding Corp
 Clough, Harbour, and Assoc
 Corrections Corporation of
 Crane Rental Corporation
 Diversco, Inc./DHI Holding
 Dwyer Group, Inc.
 Fowler Holding, Inc.
 Insurance Claims Managemen
 Interline Brands, Inc.
 Iron Mountain, Inc.
 Mail Communications Group,
 Nesco Holdings Corporation
 Northwest Mailing Services
 Pearlman Enterprises, Inc.
 Videotron, Ltd.

ELECTRONICS - 0.63%
 A123 Systems, Inc.

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 Connecticut Electric, Inc.
 Directed Electronics, Inc.

FARMING & AGRICULTURE - 1.06%
 Waggin' Train Holdings LLC

FINANCIAL SERVICES - 1.06%
 Ford Motor Credit Co.
 General Motors Acceptance
 Hawker Beechcraft Acquisit
 Highgate Capital LLC
 Leucadia National Corporat
 Preferred Blocker, Inc.

 CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
 September 30, 2009
 (Unaudited)

INDUSTRY CLASSIFICATION: (Continued)	Fair Value/ Market Value	

HEALTHCARE, EDUCATION & CHILDCARE - 6.42%		MACHINERY - 10.27%
A T I Acquisition Company	\$ 5,020,272	A S A P Industries LLC
American Hospice Management Holding LLC	3,891,539	Davis-Standard LLC
Community Health Systems, Inc.	1,230,000	E S P Holdco, Inc.
F H S Holdings LLC	1,195,313	Integration Technology Sys
H C A, Inc.	37,275	K-Tek Holdings Corporation
Syneract Holdings Corporation	2,673,061	M V I Holding, Inc.
	-----	Manitowoc Company, Inc.
	14,047,460	Navis Global
	-----	NetShape Technologies, Inc
HOME & OFFICE FURNISHINGS, HOUSEWARES, AND		Pacific Consolidated Holdi
DURABLE CONSUMER PRODUCTS - 9.26%		Power Services Holding Com
Connor Sport Court International, Inc.	2,589,843	R E I Delaware Holding, In
H M Holding Company	--	Safety Speed Cut Manufactu
Home Decor Holding Company	2,251,933	Stanadyne Corporation
Justrite Manufacturing Acquisition Co.	1,776,806	Stewart & Stevenson LLC
K H O F Holdings, Inc.	2,638,098	Supreme Industries, Inc.
Monessen Holding Corporation	2,583,800	
Stanton Carpet Holding Co.	2,120,187	MEDICAL DEVICES/BIOTECH -
Transpac Holdings Company	1,507,055	Coeur, Inc.
U M A Enterprises, Inc.	1,729,348	E X C Acquisition Corporat
U-Line Corporation	1,599,785	ETEX Corporation
Wellborn Forest Holding Co.	1,463,063	MedSystems Holdings LLC
	-----	MicroGroup, Inc.
	20,259,918	OakRiver Technology, Inc.

LEISURE, AMUSEMENT, ENTERTAINMENT - 3.37%		
A M C Entertainment, Inc.	2,174,850	
Bally Total Fitness Holding Corporation	10	
Harrah's Operating Escrow LLC	326,625	

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MGM Mirage, Inc.	129,976	MINING, STEEL, IRON & NON
Savage Sports Holding, Inc.	2,790,696	METALS - 1.86%
Seneca Gaming Corporation	462,500	T H I Acquisition, Inc.
Ticketmaster Entertainment, Inc.	512,500	Teck Resources Ltd.
Tunica-Biloxi Gaming Authority	967,500	Tube City IMS Corporation

	7,364,657	

		NATURAL RESOURCES - 1.64%
		Appleton Papers, Inc.
		Cenveo Corporation
		Intrepid Potash, Inc.
		Newpage Corporation
		Rock-Tenn Co.
		SandRidge Energy, Inc.

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MassMutual Corporate Investors

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)
September 30, 2009
(Unaudited)

INDUSTRY CLASSIFICATION: (Continued)	Fair Value/ Market Value	

OIL & GAS - 3.52%		TELECOMMUNICATIONS - 3.72%
Basic Energy Services	\$ 176,625	All Current Holding Compan
Brigham Exploration Co.	1,062,000	Cincinnati Bell, Inc.
Chaparral Energy, Inc.	1,207,500	Intelsat Bermuda Ltd.
Denbury Resources, Inc.	53,125	ITC^DeltaCom, Inc.
International Offshore Services LLC	2,626,531	Telecorps Holdings, Inc.
Mariner Energy, Inc.	172,400	Time Warner Telecom Holdin
North American Energy Partners	1,141,700	
Total E & S, Inc.	1,257,621	

	7,697,502	TRANSPORTATION - 2.09%
	-----	NABCO, Inc.
PHARMACEUTICALS - 1.25%		RailAmerica, Inc.
CorePharma LLC	2,730,758	Tangent Rail Corporation

PUBLISHING/PRINTING - 1.31%		UTILITIES - 2.23%
Gannett Company, Inc.	166,600	Dynegy Holdings, Inc.
Newark Group, Inc.	68,000	El Paso Corporation
Quebecor Media, Inc.	1,039,500	Inergy LP
Scholastic Corporation	1,282,500	Intergen NV
Sheridan Acquisition Corporation	315,000	Markwest Energy Operating
	-----	N R G Energy, Inc.
	2,871,600	T X U Energy Company LLC

RETAIL STORES - 0.92%		WASTE MANAGEMENT / POLLUTI
Great Atlantic & Pacific Tea Co.	75,938	
Olympic Sales, Inc.	199,361	
Rental Service Corporation	482,500	
United Rentals, Inc.	1,261,563	

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	-----	Terra Renewal LLC
	2,019,362	Torrent Group Holdings, In
	-----	Waste Services, Inc.
TECHNOLOGY - 3.20%		
Compucom Systems, Inc.	1,240,225	
EnerNOC, Inc.	1,238,891	
Sencore Holding Company	1,644,360	
Smart Source Holdings LLC	2,868,148	
	-----	TOTAL INVESTMENTS - 109.82
	6,991,624	

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 September 30, 2009. The net unrealized depreciation of investments for financial reporting and federal tax purposes as of September 30, 2009 is \$37,809,400 and consists of \$21,170,427 appreciation and \$58,979,827 depreciation.

FAIR VALUE MEASUREMENTS

Effective January 1, 2008, the Trust adopted FASB Statement of Financial Accounting Standards No. 157, "Fair Value Measurements" ("FAS 157"). FAS 157 clarifies the definition of fair value, establishes a framework for measuring fair values and requires additional disclosures about the use of fair value measurements. FAS 157 requires companies to provide expanded information about the assets and liabilities measured at fair value and the potential effect of these fair valuations on an entity's financial performance.

Various inputs are used in determining the value of the Trust's investments. Using the hierarchy established under FAS 157, these inputs are summarized in the three broad levels listed below:

Level 1: quoted prices in active markets for identical securities

Level 2: other significant observable inputs (including quoted prices for similar securities, interest rates, prepayments 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 September 30, 2009:

ASSETS	TOTAL	LEVEL 1	LEVEL 2	LEVEL 3
Restricted Securities	\$190,996,938	\$ --	\$11,038,663	\$179,958,275
Public Securities	49,204,305	3,278,369	45,857,926	68,010

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TOTAL \$240,201,243 \$3,278,369 \$56,896,589 \$180,026,285

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

ASSETS	RESTRICTED SECURITIES	PUBLIC SECURITIES	SHORT-TERM SECURITIES	TOTAL
Beginning balance at 12/31/2008	\$182,799,290	\$ 260	\$ --	\$182,799,550
Total gains or losses (realized/unrealized) included in earnings*	(12,424,849)	(13,000)	--	(12,437,849)
Purchases, sales, issuances & settlements (net)	9,583,834	--	--	9,583,834
Transfers in and / or out of Level 3	--	80,750	--	80,750
----- ENDING BALANCE AT 09/30/2009	\$179,958,275	\$68,010	\$ --	\$180,026,285

* The amount of net losses for the period included in earnings attributable to the change in unrealized gains or losses relating to Level 3 assets still held at 09/30/09 is \$(10,470,642).

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 November 30, 2009

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 November 30, 2009

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

James M. Roy, Vice President and
Chief Financial Officer

Date November 30, 2009

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