

MASSMUTUAL CORPORATE INVESTORS

Form N-Q

November 26, 2007

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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, Suite 600, Springfield, MA 01115

(Address of principal executive offices) (Zip code)

Rodney J. Dillman, 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: 09/30/07

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ITEM 1. SCHEDULE OF INVESTMENTS.

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CONSOLIDATED SCHEDULE OF INVESTMENTS
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
CORPORATE RESTRICTED SECURITIES - 73.75%:(A)		
PRIVATE PLACEMENT INVESTMENTS - 66.53%		
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 common stock at \$.02 per share (B)	2,323 shs.	04/08/04
Warrant, exercisable until 2012, to purchase preferred stock at \$.01 per share	63,287 shs.	03/23/06
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
AMERICAN HOSPICE MANAGEMENT HOLDING LLC		
A for-profit hospice care provider in the United States.		
12% Senior Subordinated Note due 2010	\$ 2,125,000	01/22/04
Preferred Class A Unit (B)	3,223 uts.	*
Common Class B Unit (B)	30,420 uts.	01/22/04
Common Class D Unit (B)	6,980 uts.	09/12/06
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
AUGUSTA SPORTSWEAR HOLDING CO.		
A manufacturer and distributor of athletic apparel, activewear and team uniforms.		
12% Senior Subordinated Note due 2012	\$ 1,686,800	12/31/04
Common Stock (B)	520 shs.	**
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	137 shs.	12/31/04

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BETA BRANDS LTD.

A manufacturer of hard candy and chocolate-coated products sold primarily to the Canadian market.

5% Promissory Note due 2009 (B)	\$ 195,498	03/31/04
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	4,895 shs.	03/31/04

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

**12/31/04, 03/31/05, and 05/02/06.

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
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BRAVO SPORTS HOLDING CORPORATION

A designer and marketer of niche branded consumer products including canopies, trampolines, in-line skates, skateboards, and 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

CAPEUCCESS LLC

A provider of diversified staffing services.

Preferred Membership Interests (B)	1,882 uts.	04/29/00
Common Membership Interests (B)	24,318 uts.	04/29/00

CAPITAL SPECIALTY PLASTICS, INC.

A producer of desiccant strips used for packaging pharmaceutical products.

Common Stock (B)	109 shs.	*
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COEUR, INC.

A producer of proprietary, disposable power injection syringes.

8.75% Senior Secured Term Note due 2010	\$ 355,072	04/30/03
11.5% Senior Subordinated Note due 2011	\$ 424,818	04/30/03
Common Stock (B)	126,812 shs.	04/30/03
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	87,672 shs.	04/30/03

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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 flooring products.

12% Senior Subordinated Note due 2012 (D)	\$ 2,001,121	**
Limited Partnership Interest (B)	7.74% int.	***
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	174 shs.	**

CONSOLIDATED FOUNDRIES HOLDINGS

A manufacturer of engineered cast metal components for the global aerospace and defense industries.

12% Senior Subordinated Note due 2013	\$ 2,185,714	06/15/05
Common Stock (B)	509 shs.	****
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	103 shs.	06/15/05

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

**08/12/04 and 01/18/05.

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

****06/15/05 and 05/22/06.

8

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
 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

DAVIS-STANDARD LLC

A manufacturer, assembler, and installer of a broad range of capital equipment that is used in the extrusion,

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conversion, and processing of plastic materials.		
12% Senior Subordinated Note due 2014	\$ 1,847,826	10/30/06
Limited Partnership Interest (B)	702,174 uts.	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

DIRECTED ELECTRONICS, INC.

A designer and distributor of brand name automotive security systems, audio products and installation accessories.

Common Stock (B)	368,560 shs.	*
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DIVERSCO, INC./DHI HOLDINGS, INC.

A contract provider of janitorial and equipment maintenance services and temporary production labor to industrial customers.

Membership Interests of MM/Lincap		
Diversco Investments Ltd. LLC (B)	27.19% 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.	**

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 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
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*12/19/05 and 06/17/06.

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

***10/30/03 and 01/02/04.

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September 30, 2007
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
EAGLE PACK PET FOODS, INC.		
A manufacturer of premium pet food sold through independent pet stores.		
12% Senior Subordinated Note due 2011	\$ 1,517,857	*
Warrant, exercisable until 2011, to purchase common stock at \$.02 per share (B)	4,085 shs.	09/24/04
ELECTRA BICYCLE COMPANY, INC.		
A designer and marketer of branded leisure bicycles.		
10.5% Senior Secured Term Note A due 2009	\$ 255,061	04/12/07
10.5% Senior Secured Term Note B due 2012	\$ 746,052	04/12/07
12% Senior Secured Term Note C due 2012	\$ 510,121	04/12/07
Limited Liability Company Unit Series F	64,597 uts.	04/12/07
Limited Liability Company Unit Series G (B)	4,990 uts.	04/12/07
ENZYMATIC THERAPY, INC.		
A manufacturer and distributor of branded natural medicines and nutritional supplements.		
Limited Partnership Interest (B)	1.32% int.	03/30/00
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	29,117 shs.	03/30/00
Evans Consoles, Inc.		
A designer and manufacturer of consoles and control center systems.		
Common Stock	90,000 shs.	05/06/04
F H S HOLDINGS LLC		
A national provider of customized disease management services to large self-insured employers.		
12% Senior Subordinated Note due 2014	\$ 2,390,625	06/01/06
Preferred Unit (B)	158 uts.	06/01/06
Common Unit (B)	1,594 uts.	06/01/06
Common Unit Class B (B)	1,386 uts.	06/01/06
FLUTES, INC.		
An independent manufacturer of micro fluted corrugated sheet material for the food and consumer products packaging industries.		
10% Senior Secured Term Note due 2013	\$ 918,385	04/13/06
14% Senior Subordinated Note due 2014	\$ 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

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FOWLER HOLDING, INC.

A provider of site development services to residential homebuilders and developers in the Raleigh/Durham region of North Carolina.

12% Senior Subordinated Note due 2013	\$ 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

*09/24/04 and 04/20/06.

10

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
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MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
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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	\$ 2,337,500	01/31/06
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
H M HOLDING COMPANY		
A designer, manufacturer, and importer of promotional and wood furniture.		
12% Senior Subordinated Note due 2013	\$ 2,210,000	02/10/06
Preferred Stock (B)	20 shs.	09/18/07
Common Stock (B)	340 shs.	02/10/06
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	126 shs.	02/10/06
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.	*

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INSURANCE CLAIMS MANAGEMENT, INC.

A third party administrator providing auto and property claim administration services for insurance companies.

Common Stock	69 shs.	02/27/07
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share	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 Secured Note due 2008 (D)	\$ 1,644,444	03/01/04
Common Stock (B)	228 shs.	06/01/00

JASON, INC.

A diversified manufacturing company serving various industrial markets.

13% Senior Subordinated Note due 2008	\$ 963,687	08/04/00
Limited Partnership Interest of Saw Mill Capital Fund II, L.P. (B)	2.50% int.	08/03/00
Warrants, exercisable until 2008 and 2009, to purchase common stock at \$.01 per share (B)	50,870 shs.	08/04/00

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
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MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
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 N B HOLDINGS CORPORATION		
A designer, manufacturer and marketer of products for the custom framing market.		
13.5% Senior Subordinated Note due 2013	\$ 2,455,910	05/25/06
Common Stock (B)	134,210 shs.	05/25/06
Warrant, exercisable until 2013, to purchase		

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common stock at \$.01 per share (B) 82,357 shs. 05/25/06

K W P I HOLDINGS CORPORATION

A manufacturer and distributor of vinyl windows and patio doors throughout the northwestern United States.

12% Senior Subordinated Note due 2014	\$ 2,318,000	03/14/07
Common Stock (B)	232 shs.	03/13/07
Warrant, exercisable until 2017, to purchase common stock at \$.01 per share (B)	167 shs.	03/14/07

KEEPSAKE QUILTING, INC.

A seller of quilting fabrics, books, patterns, kits and notions to consumers.

9.17% Senior Secured Revolving Note due 2008 (C)	\$ 238,503	06/16/00
12% Senior Secured Tranche B Note due 2008	\$ 550,392	06/16/00
Limited Partnership Interest of Riverside XVI Holding Company, L.P. (B)	5.29% int.	06/12/00
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	1,108 shs.	06/12/00

KELE AND ASSOCIATES, INC.

A distributor of building automation control products.

12% Senior Subordinated Note due 2012	\$ 1,831,548	02/27/04
Common Stock	12 shs.	02/27/04
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share	11 shs.	02/27/04

LIH INVESTORS, L.P.

A manufacturer and marketer of a broad line of external accessories for new and used sport utility vehicles, trucks and vans.

12.5% Senior Subordinated Note due 2008 (D)	\$ 3,845,000	*
Common Stock (B)	5,800 shs.	*
Warrant, exercisable until 2008, to purchase common stock at \$.11 per share (B)	15,572 shs.	*

*12/23/98 and 01/28/99.

12

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
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MAGNATECH INTERNATIONAL, INC.

A supplier of process equipment and related parts used in the manufacturing of medium and high-pressure reinforced hoses.

12% Senior Subordinated Note due 2014	\$ 1,168,750	04/05/06
13% Preferred Stock (B)	565 shs.	04/05/06
Common Stock (B)	125 shs.	04/05/06
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	13 shs.	04/05/06

MAIL COMMUNICATIONS GROUP, INC.

A provider of mail processing and handling services, lettershop services, and commercial printing services.

12.5% Senior Subordinated Note due 2014	\$ 975,000	05/04/07
Limited Liability Company Unit (B)	23,000 uts.	05/04/07
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.

9.86% Senior Secured Tranche A Note due 2010 (C)	\$ 571,644	09/03/04
12% Senior Secured Tranche B Note due 2011	\$ 313,433	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

MAXON CORPORATION

A manufacturer of industrial combustion equipment and related shut-off valves and control valves.

12% Senior Subordinated Note due 2012	\$ 962,215	09/30/04
8.75% Senior Subordinated Note due 2012	\$ 1,155,562	09/30/04
Common Stock (B)	381,672 shs.	09/30/04
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	153,572 shs.	09/30/04

MICROGROUP, INC.

A manufacturer of precision parts and assemblies, and a value-added supplier of metal tubing and bars.

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.	*

MOMENTUM HOLDING CO.

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

12% Senior Subordinated Note due 2014	\$ 1,168,847	08/04/06
Limited Partnership Interest (B)	106,153 uts.	08/04/06
Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B)	1,107 shs.	08/04/06

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.) MASSMUTUAL CORPORATE INVESTORS
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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
 MONESSEN HOLDING CORPORATION		
A designer and manufacturer of a broad line of gas, wood, and electric hearth products and accessories.		
12% Senior Subordinated Note due 2014	\$ 2,550,000	03/31/06
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	152 shs.	03/31/06
 MORTON INDUSTRIAL GROUP, INC.		
A manufacturer of highly engineered metal fabricated components.		
12% Senior Subordinated Note due 2014	\$ 2,440,909	08/25/06
Common Stock (B)	109,091 shs.	08/25/06
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	173,633 shs.	08/25/06
 MOSS, INC.		
A manufacturer and distributor of large display and exhibit structures.		
Limited Partnership Interest of Riverside Capital Appreciation Fund I, L.P. (B)	33.59% int.	*
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	214 shs.	12/21/05
 NABCO, INC.		
A producer of explosive containment vessels in the United States.		
12% Senior Subordinated Note due 2014	\$ 665,625	02/24/06
Limited Liability Company Unit (B)	825 uts.	**
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	48 shs.	02/24/06
 NAVIS GLOBAL		
A designer, manufacturer, seller and servicer of finishing machinery for the knit and woven segments of the global textile industry.		
12% Senior Subordinated Note due 2014	\$ 1,234,551	05/28/04

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8.75% Senior Secured Note due 2011	\$ 644,663	05/28/04
Common Stock (B)	674,157 shs.	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 various other industries.

12% Senior 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

*09/20/00, 05/23/02 and 02/21/07.

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

14

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
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	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----

NETSHAPE TECHNOLOGIES, INC.

A manufacturer of powder metal and metal injection molded precision components used in industrial, consumer, and other applications.

12% Senior Subordinated Note due 2014	\$ 1,530,000	02/02/07
Limited Partnership Interest of Saw Mill PCG Partners LLC (B)	1,020 uts.	02/01/07
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	91 shs.	02/02/07

NONNI'S FOOD COMPANY

A producer and distributor of premium biscotti and bagel chips in North America.

12.25% Senior Subordinated Note due 2012	\$ 1,863,462	03/29/04
10% Preferred Stock (B)	255 shs.	03/29/04
Common Stock (B)	6,455 shs.	03/29/04
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	8,622 shs.	03/29/04

NYLONCRAFT, INC.

A supplier of engineered plastic components for the automotive industry.

9% Senior Secured Note due 2009	\$ 812,500	01/28/02
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11.5% Senior Subordinated Note due 2012	\$ 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

O R S NASCO HOLDING, INC.

A wholesale distributor of industrial supplies in North America.

13% Senior Subordinated Note due 2013	\$ 2,372,732	12/20/05
Common Stock (B)	177,268 shs.	12/20/05
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	99,771 shs.	12/20/05

OAKRIVER TECHNOLOGY, INC.

Designs, engineers and assembles high precision automated process equipment for the medical device industry, with a focus on defibrillators and stents.

10% Senior Secured Note due 2012	\$ 565,452	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 2008	\$ 1,022,000	08/07/98
12% Senior Subordinated Note due 2008	\$ 307,071	02/09/00
Limited Partnership Interest of Riverside VIII, VIII-A and VIII-B Holding Company, L.P.	20.57% int.	*
Warrants, exercisable until 2007 and 2008, to purchase common stock at \$.01 per share (B)	28,648 shs.	**

*08/07/98, 02/23/99, 12/22/99 and 02/25/03.

**08/07/98 and 02/09/00.

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CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
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ONTARIO DRIVE & GEAR LTD.

A manufacturer of all-wheel drive, off-road amphibious vehicles and related accessories.

13% Senior Subordinated Note due 2013	\$ 1,977,885	01/17/06
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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
 OVERTON'S HOLDING COMPANY		
A marketer of marine and water sports accessories in the United States.		
12% Senior Subordinated Note due 2014	\$ 1,817,308	04/28/06
Common Stock (B)	95 shs.	04/28/06
Warrant, exercisable until 2014, to purchase common stock at \$.02 per share (B)	94 shs.	04/28/06
 P A S HOLDCO LLC		
An independent provider of maintenance, repair and overhaul services to the aerospace gas turbine engine and airframe markets.		
14% Senior Subordinated Note due 2014	\$ 2,211,163	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 the global defense, oil & gas, and medical sectors.		
12% Senior Subordinated Note due 2012	\$ 1,304,624	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 and food packaging markets.		
12% Senior Subordinated Note due 2008	\$ 2,125,000	12/19/00
Membership Interests of MM/Lincap PPI Investments, Inc., LLC (B)	2.42% int.	12/21/00

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CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
POSTLE ALUMINUM COMPANY LLC		
A manufacturer and distributor of aluminum extruded products.		
12% Senior Subordinated Note due 2014	\$ 2,040,000	10/02/06
Limited Liability Company Unit (B)	1,384 uts.	10/02/06
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	344 shs.	10/02/06
PROTEIN GENETICS, INC.		
A producer of bovine artificial insemination products, related breeding and healthcare products and specialty genetics sold to the dairy and beef industries.		
9.8% Redeemable Exchangeable Preferred Stock (B)	1,004 shs.	08/12/94
Common Stock (B)	2,600 shs.	*
QUALIS AUTOMOTIVE LLC		
A distributor of aftermarket automotive brake and chassis products.		
12% Senior Subordinated Note due 2012	\$ 1,770,833	05/28/04
Common Stock	354,166 shs.	05/28/04
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share	377,719 shs.	05/28/04
QUALSERV CORPORATION		
A provider of foodservice equipment and supplies to major restaurant chains and their franchisees.		
14% Senior Subordinated Note due 2012 (D)	\$ 1,893,563	07/09/04
Limited Partnership Interest (B)	9.26% int.	07/09/04
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	528 shs.	07/09/04
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
RADIAC ABRASIVES, INC.		

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A manufacturer of bonded abrasive and super abrasive grinding wheels in the United States.

12% Senior Subordinated Note due 2014	\$ 2,260,638	02/10/06
Common Stock (B)	289,362 shs.	02/10/06
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	131,555 shs.	02/10/06

RIVER RANCH FRESH FOODS LLC

A supplier of fresh produce to the retail and foodservice channels.

13% Senior Subordinated Note due 2011 (D)	\$ 1,841,667	09/29/04
Limited Liability Company Unit (B)	470,176 uts.	**
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,575 shs.	09/29/04

*08/12/94 and 11/14/01.

**09/29/04, 06/04/07 and 06/14/07.

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	-----	-----
 ROYAL BATHS MANUFACTURING COMPANY		
A manufacturer and distributor of acrylic and cultured marble bathroom products.		
12.5% Senior Subordinated Notes 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)	586 shs.	09/10/04
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	134 shs.	09/10/04
 SMART SOURCE HOLDINGS LLC		
A short-term computer rental company.		
12% Senior Subordinated Note due 2015	\$ 1,961,538	08/31/07

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Limited Liability Company Unit (B)	588 uts.	08/31/07
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	144 shs.	08/31/07
SPECIALTY FOODS GROUP, INC.		
A manufacturer and distributor of branded meat products.		
Limited Partnership Interest of MHD Holdings LLC	1.43% int.	08/29/00
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
STRATEGIC EQUIPMENT & SUPPLY CORPORATION, INC.		
A provider of kitchen and restaurant design, equipment fabrication and installation services.		
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	106,539 shs.	01/14/00
SYNVENTIVE EQUITY LLC		
A manufacturer of hot runner systems used in the plastic injection molding process.		
Limited Liability Company Unit (B)	1.99% int.	08/20/03
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	86,780 shs.	08/21/03

18

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
	-----	-----
TANGENT RAIL CORPORATION		
A manufacturer of rail ties and provides specialty services to the North American railroad industry.		
13% Senior Subordinated Note due 2013	\$ 2,217,385	10/14/05
Common Stock (B)	2,203 shs.	10/14/05
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	1,167 shs.	10/14/05

TERRA RENEWAL SERVICES, INC.

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A provider of wastewater residual management and required environmental reporting, permitting, nutrient management planning and record keeping to companies involved in poultry and food processing.

8.61% Senior Secured Tranche B Note due 2012 (C)	\$ 1,450,043	*
10.5% Senior Secured Tranche B Note due 2012 (C)	\$ 75,342	*
12% Senior Subordinated Note due 2014	\$ 1,162,110	**
Limited Partnership Interest of Saw Mill Capital Fund V, L.P.	2.30% int.	03/01/05
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	72 shs.	04/28/06

TOTAL EQUIPMENT & SERVICE, 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

THE TRANZONIC COMPANIES

A producer of commercial and industrial supplies, such as safety products, janitorial supplies, work apparel, washroom and restroom supplies and sanitary care products.

13% Senior Subordinated Note due 2009	\$ 2,712,000	02/05/98
Common Stock (B)	630 shs.	02/04/98
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	444 shs.	02/05/98

TRANSTAR HOLDING COMPANY

A distributor of aftermarket automotive transmission parts.

12% Senior Subordinated Note due 2013	\$ 1,734,000	08/31/05
Common Stock (B)	1,078 shs.	***
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	86 shs.	08/31/05

*04/28/06 and 12/21/06.

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

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisition Date
	-----	-----
CORPORATE RESTRICTED SECURITIES: (A) (Continued)		

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TRONAIR, INC.

A designer, engineer and manufacturer of ground support equipment for the business, commuter and commercial aviation markets.

10.5% Senior Secured Term Note due 2008	\$ 395,108	01/20/00
12% Senior Subordinated Note due 2010	\$ 1,326,500	01/20/00
Common Stock (B)	227,400 shs.	01/20/00
Warrant, exercisable until 2010, to purchase common stock at \$1 per share (B)	260,563 shs.	01/20/00

TRUCK BODIES & EQUIPMENT INTERNATIONAL

A designer and manufacturer of accessories for heavy and medium duty trucks, primarily dump bodies, hoists, various forms of flat-bed bodies, landscape bodies and other accessories.

12% Senior Subordinated Note due 2013	\$ 2,309,541	*
Common Stock (B)	742 shs.	*
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	153 shs.	*

TRUSTILE DOORS, INC.

A manufacturer and distributor of interior doors.

12.5% Senior Subordinated Note due 2010	\$ 1,062,500	04/11/03
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	5,781 shs.	04/11/03

U-LINE CORPORATION

A manufacturer of high-end, built-in, undercounter ice making, wine storage and refrigeration appliances.

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

VICTORY VENTURES LLC

An acquirer of controlling or substantial interests in other entities.

Series A Preferred Units	0.15% int.	12/02/96
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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
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

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (Cont.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisition Date -----
VITALITY FOODSERVICE, INC.		
A non-carbonated beverage dispensing company focused on the foodservice industry.		
15% Senior Subordinated Note due 2011	\$ 2,107,669	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	\$ 1,700,000	07/19/04
Limited Liability Company Unit Class A (B)	1.75% int.	07/19/04
Limited Liability Company Unit Class B (B)	0.77% int.	07/19/04
WALLS INDUSTRIES, INC.		
A provider of branded workwear and sporting goods apparel.		
Limited Partnership Interest	0.40% int.	07/12/04
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
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 Interests (B)	115,804 uts.	05/14/07
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	88 shs.	05/14/07
Total Private Placement Investments		

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
RULE 144A SECURITIES - 7.22%:				
BONDS - 7.22%				
American Tire Distributor (C)	11.610%	04/01/12	\$ 1,000,000	\$ 950,000
Bombardier, Inc.	6.300	05/01/14	1,000,000	890,000
Bristow Group, Inc.	7.500	09/15/17	150,000	150,000
Calpine Corporation	8.750	07/15/13	500,000	465,000
Chaparral Energy, Inc.	8.875	02/01/17	1,500,000	1,491,780
Charter Communications Op LLC	8.000	04/30/12	250,000	249,370
Community Health Systems, Inc.	8.875	07/15/15	1,200,000	1,168,690
Compucom Systems, Inc.	12.500	10/01/15	1,330,000	1,295,840
Douglas Dynamics LLC	7.750	01/15/12	630,000	632,860
Dynegy Holdings, Inc.	7.500	06/01/15	500,000	445,000
G F S I, Inc. (C)	11.500	06/01/11	750,000	682,540
H C A, Inc.	9.250	11/15/16	975,000	991,490
Hawker Beechcraft Acquisition Co.	9.750	04/01/17	1,275,000	1,287,530
Intergen NV	9.000	06/30/17	750,000	743,910
Kar Holdings, Inc.	8.750	05/01/14	50,000	50,000
Packaging Dynamics Corporation of America	10.000	05/01/16	1,500,000	1,498,980
Pinnacle Foods Finance LLC	10.625	04/01/17	2,000,000	1,807,500
Quebecor Media, Inc.	7.750	03/15/16	175,000	164,060
Rite Aid Corporation	9.500	02/01/15	1,600,000	1,453,320
Steel Dynamics, Inc.	6.750	04/01/15	200,000	200,000
Tenaska Alabama Partners LP	7.000	06/30/21	339,376	339,370
Tesoro Petroleum Corporation	6.500	06/01/17	500,000	500,000
Tunica-Biloxi Gaming Authority	9.000	11/15/15	1,075,000	1,106,150
TOTAL BONDS				\$ 18,563,450
COMMON STOCK - 0.00%				
Jordan Telecom Products (B)			70	\$ 14,000
TOTAL COMMON STOCK				14,000
TOTAL RULE 144A SECURITIES				18,577,450
TOTAL CORPORATE RESTRICTED SECURITIES				\$197,126,310

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE PUBLIC SECURITIES - 33.84%: (A)	Interest Rate	Due Date	Principal Amount	Cost
	-----	-----	-----	-----
BONDS - 31.01%				
A M C Entertainment, Inc.	11.000%	02/01/16	\$ 815,000	\$ 817,31
Activant Solutions, Inc.	9.500	05/01/16	150,000	150,00
Affinia Group, Inc.	9.000	11/30/14	1,010,000	936,07
Alamosa Delaware, Inc.	8.500	01/31/12	400,000	400,00
ALH Fin LLC / ALH Fin Corporation	8.500	01/15/13	1,550,000	1,519,53
Allied Waste NA	7.875	04/15/13	1,000,000	1,020,02
Appleton Papers, Inc.	8.125	06/15/11	300,000	300,00
Aramark Corporation	8.500	02/01/15	200,000	200,00
Aramark Corporation	8.856	02/01/15	200,000	200,00
Atlas Pipeline Partners	8.125	12/15/15	200,000	200,00
Bally Total Fitness Holdings Corporation	9.875	10/15/07	135,000	128,92
Basic Energy Services	7.125	04/15/16	225,000	225,00
Blockbuster, Inc. (C)	9.000	09/01/12	475,000	475,79
Brigham Exploration Co.	9.625	05/01/14	1,200,000	1,167,90
CCH I Holdings LLC	11.125	01/15/14	1,550,000	1,141,93
Cablevision Systems Corporation	8.000	04/15/12	1,000,000	1,011,99
Cenveo Corporation	7.875	12/01/13	1,100,000	1,100,00
Cincinnati Bell, Inc.	8.375	01/15/14	1,100,000	1,007,50
Clayton Williams Energy, Inc.	7.750	08/01/13	1,200,000	1,179,00
Del Monte Corporation	8.625	12/15/12	225,000	225,00
Dynegy Holdings, Inc.	6.875	04/01/11	500,000	422,50
Dynegy Holdings, Inc.	8.375	05/01/16	330,000	330,00
Edison Mission Energy	7.750	06/15/16	55,000	55,00
El Paso Corporation	7.875	06/15/12	1,000,000	1,043,24
Esterline Technologies	7.750	06/15/13	200,000	200,00
Flextronics International Ltd.	6.500	05/15/13	400,000	400,00
Ford Motor Credit Co.	7.375	10/28/09	1,250,000	1,246,87
Ford Motor Credit Co.	7.450	07/16/31	1,875,000	1,491,56
Ford Motor Credit Co.	8.000	12/15/16	300,000	294,96
Freeport-McMoran Copper & Gold	8.375	04/01/17	385,000	385,00
Gencorp, Inc.	9.500	08/15/13	259,000	259,00
General Motors Acceptance Corporation	6.875	08/28/12	1,500,000	1,372,50
General Motors Acceptance Corporation	7.750	01/19/10	1,250,000	1,283,39
General Motors Corporation	8.375	07/15/33	1,875,000	1,669,68
Goodyear Tire & Rubber Co.	7.857	08/15/11	1,400,000	1,342,75
Graham Packaging Corporation	9.875	10/15/14	1,000,000	902,50
Great Lakes Dredge & Dock Corporation	7.750	12/15/13	500,000	481,25
GulfMark Offshore, Inc.	7.750	07/15/14	565,000	562,59
Hawaiian Telcom Communication	12.500	05/01/15	1,425,000	1,562,36
Idearc, Inc.	8.000	11/15/16	1,000,000	1,002,00
Inergy LP	8.250	03/01/16	150,000	150,00
Innophos, Inc.	8.875	08/15/14	75,000	74,25
Intelsat Bermuda Ltd.	9.250	06/15/16	1,365,000	1,417,89
Interline Brands, Inc.	8.125	06/15/14	1,200,000	1,191,10
Iron Mountain, Inc.	8.750	07/15/18	1,065,000	1,098,61
Koppers, Inc.	9.875	10/15/13	477,000	477,00
Land O'Lakes, Inc.	9.000	12/15/10	750,000	750,00
Lazard LLC	7.125	05/15/15	750,000	749,40
Lear Corporation	8.750	12/01/16	1,000,000	942,50
Leucadia National Corporation	7.000	08/15/13	650,000	660,00
Liberty Media Corporation	5.700	05/15/13	1,000,000	951,61
Mac-Gray Corporation	7.625	08/15/15	600,000	600,00

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Majestic Star Casino LLC	9.500	10/15/10	500,000	500,000
Manitowoc Company, Inc.	7.125	11/01/13	200,000	200,000
Mariner Energy, Inc.	8.000	05/15/17	800,000	805,36
Markwest Energy Operating Co.	6.875	11/01/14	775,000	763,00
Mediacom Broadband LLC	8.500	10/15/15	1,500,000	1,518,49
Metaldyne Corporation	11.000	06/15/12	750,000	601,25
Metaldyne Corporation (C)	10.000	11/01/13	510,000	513,21

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE PUBLIC SECURITIES (A) (Continued)	Interest Rate	Due Date	Principal Amount	Cost
BONDS, CONTINUED				
Michaels Stores, Inc.	10.000%	11/01/14	\$ 1,500,000	\$ 1,505,53
N R G Energy, Inc.	7.375	02/01/16	175,000	175,00
N T L Cable PLC	9.125	08/15/16	1,380,000	1,417,87
Nalco Co.	7.750	11/15/11	500,000	500,00
Neiman Marcus Group, Inc.	10.375	10/15/15	1,250,000	1,250,00
Newark Group, Inc.	9.750	03/15/14	850,000	796,86
North American Energy Partners	8.750	12/01/11	1,165,000	1,176,43
NOVA Chemicals Corporation (C)	8.484	11/15/13	475,000	475,00
O E D Corp./Diamond Jo Company Guarantee	8.750	04/15/12	1,000,000	985,96
Offshore Logistics, Inc.	6.125	06/15/13	450,000	450,00
Pacific Energy Partners	7.125	06/15/14	500,000	503,42
Pacific Energy Partners	6.250	09/15/15	150,000	149,31
Petrohawk Energy Corporation	9.125	07/15/13	1,500,000	1,524,99
Pliant Corporation	11.125	09/01/09	550,000	539,00
Pliant Corporation (C)	11.850	06/15/09	935,222	942,57
Polypore, Inc.	8.750	05/15/12	1,960,000	1,893,80
Pregis Corporation	12.375	10/15/13	1,000,000	981,49
Quality Distribution, Inc.	9.000	11/15/10	1,030,000	1,001,57
Quality Distribution, Inc. (C)	9.860	01/15/12	545,000	547,50
Quicksilver Resources, Inc.	7.125	04/01/16	500,000	500,00
RBS Global & Rexnord Corporation	11.750	08/01/16	275,000	284,77
Rent-A-Center, Inc.	7.500	05/01/10	200,000	200,00
Rental Service Corporation	9.500	12/01/14	1,500,000	1,489,95
Rock-Tenn Co.	8.200	08/15/11	825,000	847,10
Sheridan Acquisition Corporation	10.250	08/15/11	375,000	370,00
Sierra Pacific Resources	6.750	08/15/17	635,000	637,99
Stanadyne Corporation	10.000	08/15/14	1,500,000	1,500,00
Stewart & Stevenson LLC	10.000	07/15/14	1,500,000	1,538,40
Stratos Global	9.875	02/15/13	575,000	578,41
Tekni-Plex, Inc.	12.750	06/15/10	1,000,000	960,12
Tekni-Plex, Inc.	8.750	11/15/13	650,000	655,42
Tenet Healthcare Corporation	9.875	07/01/14	500,000	488,37
Tenneco, Inc.	8.625	11/15/14	1,000,000	1,002,43
Texas Industries, Inc.	7.250	07/15/13	70,000	70,00
Titan International, Inc.	8.000	01/15/12	150,000	150,00
Trimas Corporation	9.875	06/15/12	823,000	764,25
Triton PCS, Inc.	8.500	06/01/13	550,000	550,00
Tube City IMS Corporation	9.750	02/01/15	1,000,000	1,010,80
Unisys Corporation	8.000	10/15/12	190,000	190,00
United Components, Inc.	9.375	06/15/13	1,080,000	1,081,25
United Rentals, Inc.	7.750	11/15/13	625,000	625,00

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United Rentals, Inc.	7.000	02/15/14	500,000	500,000
Universal City Florida (C)	10.106	05/01/10	200,000	200,000
Universal City Florida	8.375	05/01/10	200,000	200,000
Valassis Communications, Inc.	8.250	03/01/15	790,000	771,520
Vought Aircraft Industries	8.000	07/15/11	1,000,000	999,180
Warner Music Group Corporation	7.375	04/15/14	275,000	275,000
Waste Services, Inc.	9.500	04/15/14	1,100,000	1,122,400
Yankee Acquisition Corporation	8.500	02/15/15	1,500,000	1,430,620
TOTAL BONDS				\$ 81,486,290

24

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

CORPORATE PUBLIC SECURITIES (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
COMMON STOCK - 2.60%				
Bally Total Fitness Holdings Corporation (B)			600	\$ 5,520
EnerNOC, Inc. (B)			46,500	1,283,260
ITC^DeltaCom, Inc.			178,666	1,563,320
PepsiAmericas, Inc.			92,145	2,006,360
Supreme Industries, Inc.			115,721	267,320
TOTAL COMMON STOCK				5,125,790
CONVERTIBLE BONDS - 0.23%				
Citadel Broadcasting Corporation	1.875%	02/15/11	\$ 700,000	\$ 543,370
TOTAL CONVERTIBLE BONDS				543,370
TOTAL CORPORATE PUBLIC SECURITIES				\$ 87,155,470

SHORT-TERM SECURITIES:	Interest Rate/Yield*	Due Date	Principal Amount	Cost
COMMERCIAL PAPER - 1.02%				
Burlington Northern Santa Fe	5.403%	10/01/07	\$ 1,000,000	\$ 999,700
Newell Rubbermaid, Inc.	5.402	10/01/07	1,697,000	1,696,490
TOTAL SHORT-TERM SECURITIES				\$ 2,696,190
TOTAL INVESTMENTS	108.61%			\$286,977,980
Other Assets	3.99			
Liabilities	(12.60)			
TOTAL NET ASSETS	100.00%			

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- (A) In each of the convertible note, warrant, convertible preferred and common stock investments, issuer has agreed to provide certain registration rights.
 (B) Non-income producing security.
 (C) Variable rate security; rate indicated is as of 09/30/07.
 (D) Defaulted security; interest not accrued.
 * Effective yield at purchase

See Notes to Consolidated Financial Statements.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
 September 30, 2007
 (Unaudited)

MASSMUTUAL CORPORATE INVESTORS

INDUSTRY CLASSIFICATION:	Fair Value/ Market Value	

AEROSPACE - 3.79%		BUILDINGS & REAL ESTATE -
Consolidated Foundries Holdings	\$ 3,808,470	K W P I Holdings Corporati
Esterline Technologies	203,000	Texas Industries, Inc.
Gencorp, Inc.	270,008	TruStile Doors, Inc.
P A S Holdco LLC	3,151,543	
Visioneering, Inc.	1,550,291	
Vought Aircraft Industries	977,500	
	-----	CHEMICAL, PLASTICS & RUBBER
	9,960,812	Capital Specialty Plastics
	-----	Innophos, Inc.
AUTOMOBILE - 10.82%		Koppers, Inc.
American Tire Distributor	992,500	Nalco Co.
Ford Motor Credit Co.	2,978,851	NOVA Chemicals Corporation
Fuel Systems Holding Corporation	2,489,658	
General Motors Acceptance Corporation	2,646,806	CONSUMER PRODUCTS - 8.59%
General Motors Corporation	1,642,969	Aero Holdings, Inc.
Goodyear Tire & Rubber Co.	1,421,000	ALH Fin LLC/ALH Fin Corpor
Jason, Inc.	2,033,269	Augusta Sportswear Holding
Lear Corporation	940,000	Bravo Sports Holding Corpo
LIH Investors, L.P.	--	G F S I, Inc.
Metaldyne Corporation	1,127,625	Kar Holdings, Inc.
Nyloncraft, Inc.	1,896,875	K N B Holdings Corporation
Ontario Drive & Gear Ltd.	3,007,271	Momentum Holding Co.
Qualis Automotive LLC	2,014,869	R A J Manufacturing Holdin
Tenneco, Inc.	1,007,500	Royal Baths Manufacturing
Titan International, Inc.	149,625	The Tranzonic Companies
Transtar Holding Company	3,001,138	Walls Industries, Inc.
United Components, Inc.	1,096,200	

	28,446,156	

BEVERAGE, DRUG & FOOD - 5.07%		CONTAINERS, PACKAGING
Aramark Corporation	406,000	

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Beta Brands Ltd.	--	& GLASS - 5.96%
Del Monte Corporation	228,375	Flutes, Inc.
Eagle Pack Pet Foods, Inc.	1,657,793	Graham Packaging Corporati
Land O'Lakes, Inc.	778,125	Maverick Acquisition Compa
Nonni's Food Company	2,544,591	P I I Holding Corporation
PepsiAmericas, Inc.	2,989,184	Packaging Dynamics Corpora
Rite Aid Corporation	1,496,000	Paradigm Packaging, Inc.
River Ranch Fresh Foods LLC	920,834	Pliant Corporation
Specialty Foods Group, Inc.	--	Pregis Corporation
Vitality Foodservice, Inc.	2,298,846	Tekni-Plex, Inc.
	-----	Vitex Packaging Group, Inc
	13,319,748	

BROADCASTING & ENTERTAINMENT - 3.02%		DISTRIBUTION - 3.81%
CCH I Holdings LLC	1,410,500	Affina Group, Inc.
Cablevision Systems Corporation	970,000	Duncan Systems, Inc.
Cenveo Corporation	1,001,000	Kele and Associates, Inc.
Charter Communications Op LLC	248,750	Magnatech International, I
Citadel Broadcasting Corporation	600,250	O R S Nasco Holding, Inc.
Liberty Media Corporation	934,229	QualServ Corporation
Mediacom Broadband LLC	1,503,750	Strategic Equipment & Supp
Workplace Media Holding Co.	1,268,110	

	7,936,589	

26

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
September 30, 2007
(Unaudited)

MASSMUTUAL CORPORATE INVESTORS

INDUSTRY CLASSIFICATION: (Cont.)	Fair Value/ Market Value	

DIVERSIFIED/CONGLOMERATE, MANUFACTURING - 6.24%		HEALTHCARE, EDUCATION & CHILDCARE - 3.81%
Activant Solutions, Inc.	\$ 132,000	A T I Acquisition Company
Arrow Tru-Line Holdings, Inc.	1,817,591	American Hospice Managemen
Bombardier, Inc.	980,000	Community Health Systems
Douglas Dynamics LLC	567,000	F H S Holdings LLC
Evans Consoles, Inc.	--	H C A, Inc.
Great Lakes Dredge & Dock Corporation	480,000	Tenet Healthcare Corporati
Polypore, Inc.	1,891,400	
Postle Aluminum Company LLC	2,670,377	HOME & OFFICE FURNISHINGS, HOUSEWARES, AND DURABLE
Radiac Abrasives, Inc.	2,805,019	CONSUMER PRODUCTS - 6.22
RBS Global & Rexnord Corp.	292,875	Connor Sport Court Interna
Trimas Corporation	839,460	H M Holding Company
Truck Bodies & Equipment International	3,918,532	Home Decor Holding Company
	-----	Justrite Manufacturing Acq
	16,394,254	Monessen Holding Corporati
	-----	Stanton Carpet Holding Co.
DIVERSIFIED/CONGLOMERATE, SERVICE - 3.60%		U-Line Corporation
Allied Waste NA	1,032,500	Wellborn Forest Holding Co
CapeSuccess LLC	5,862	
Diversco, Inc./DHI Holdings, Inc.	--	
Dwyer Group, Inc.	1,212,913	

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Fowler Holding, Inc.	2,442,104	
Insurance Claims Management, Inc.	--	
Interline Brands, Inc.	1,185,000	LEISURE, AMUSEMENT,
Iron Mountain, Inc.	1,107,600	ENTERTAINMENT - 4.53%
Mac-Gray Corporation	600,000	A M C Entertainment, Inc.
Mail Communications Group, Inc.	1,253,191	Bally Total Fitness Holding
Moss, Inc.	637,793	Electra Bicycle Company, I
	-----	Keepsake Quilting, Inc.
	9,476,963	Majestic Star Casino LLC
	-----	O E D Corp/Diamond Jo Comp
ELECTRONICS - 1.90%		Overton's Holding Company
Calpine Corporation	545,000	Savage Sports Holding, Inc
Connecticut Electric, Inc.	2,597,791	Tunica-Biloxi Gaming Autho
Directed Electronics, Inc.	1,470,554	Universal City Florida
Flextronics International Ltd.	382,000	Warner Music Group Corpora

	4,995,345	

FARMING & AGRICULTURE - 0.00%		MACHINERY - 9.79%
Protein Genetics, Inc.	--	Davis-Standard LLC
	-----	Integration Technology Sys
FINANCIAL SERVICES - 3.24%		Manitowoc Company, Inc.
Hawker Beechcraft Acquisition Co.	1,303,688	Maxon Corporation
Highgate Capital LLC	--	Morton Industrial Group, I
Lazard LLC	757,500	Navis Global
Leucadia National Corporation	624,000	NetShape Technologies, Inc
Nesco Holdings Corp.	2,509,910	Pacific Consolidated Holdi
Pinnacle Foods Finance LLC	1,875,000	Safety Speed Cut Manufactu
Victory Ventures LLC	--	Stanadyne Corporation
Yankee Acquisition Corporation	1,455,000	Stewart & Stevenson LLC
	-----	Supreme Industries, Inc.
	8,525,098	Synventive Equity LLC
	-----	Tronair, Inc.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)	MASSMUTUAL CORPORATE INVESTORS	
September 30, 2007		
(Unaudited)		
	Fair Value/ Market Value	
INDUSTRY CLASSIFICATION: (Cont.)	-----	
MEDICAL DEVICES/BIOTECH - 2.44%		TECHNOLOGY - 2.18%
Coeur, Inc.	\$ 1,512,458	Compucom Systems, Inc.
E X C Acquisition Corporation	171,101	EnerNOC, Inc.
MicroGroup, Inc.	3,081,462	Smart Source Holdings LLC
OakRiver Technology, Inc.	1,646,595	Unisys Corporation

	6,411,616	

MINING, STEEL, IRON & NON PRECIOUS METALS - 0.61%		TELECOMMUNICATIONS - 3.17%
Freeport-McMoran Copper & Gold	420,613	Alamosa Delaware, Inc.
Steel Dynamics, Inc.	193,196	Cincinnati Bell, Inc.
Tube City IMS Corporation	977,500	Hawaiian Telecom Communica
		Intelsat Bermuda Ltd.

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	-----	ITC^DeltaCom, Inc.
	1,591,309	Jordan Telecom Products
	-----	N T L Cable PLC
NATURAL RESOURCES - 0.44%		Stratos Global
Appleton Papers, Inc.	296,250	Triton P C S, Inc.
Rock-Tenn Co.	852,844	

	1,149,094	
	-----	TRANSPORTATION - 2.30%
OIL AND GAS - 3.71%		NABCO, Inc.
Atlas Pipeline Partners	197,000	Quality Distribution, Inc.
Basic Energy Services	218,813	Tangent Rail Corporation
Brigham Exploration Co.	1,131,000	
Bristow Group, Inc.	153,000	
Chaparral Energy, Inc.	1,406,250	
Clayton Williams Energy, Inc.	1,128,000	UTILITIES - 2.83%
GulfMark Offshore, Inc.	567,825	Dynegy Holdings, Inc.
Mariner Energy, Inc.	782,000	Edison Mission Energy
North American Energy Partners	1,176,650	El Paso Corporation
Offshore Logistics, Inc.	436,500	Inergy LP
Quicksilver Resources, Inc.	492,500	Intergen NV
Tesoro Petroleum Corporation	496,250	Markwest Energy Operating
Total Equipment & Service, Inc.	1,563,241	N R G Energy, Inc.
	-----	Pacific Energy Partners
	9,749,029	Petrohawk Energy Corporati
	-----	Sierra Pacific Resources
PHARMACEUTICALS - 1.04%		Tenaska Alabama Partners L
CorePharma LLC	2,631,682	
Enzymatic Therapy, Inc.	106,250	

	2,737,932	WASTE MANAGEMENT / POLLUTI
	-----	Terra Renewal Services, In
PUBLISHING/PRINTING - 1.16%		Waste Services, Inc.
Idearc, Inc.	997,500	
Newark Group, Inc.	816,000	
Quebecor Media, Inc.	167,125	
Sheridan Acquisition Corporation	378,281	Total Corporate Restricted
Valassis Communications, Inc.	687,300	Public Securities - 107.59

	3,046,206	

RETAIL STORES - 3.43%		
Blockbuster, Inc.	427,500	
Michaels Stores, Inc.	1,537,500	
Neiman Marcus Group, Inc.	1,362,500	
Olympic Sales, Inc.	2,924,020	
Rent-A-Center, Inc.	190,000	
Rental Service Corporation	1,432,500	
United Rentals, Inc.	1,153,750	

	9,027,770	

See Notes to Consolidated Financial Statements.

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The aggregate cost of investments is substantially the same for financial reporting and federal income tax purposes as of September 30, 2007. The net unrealized depreciation of investments for financial reporting and federal tax purposes as of September 30, 2007 is \$1,416,899 and consists of \$27,221,597 appreciation and \$28,638,496 depreciation.

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

By (Signature and Title)* /s/ Clifford M. Noreen

Clifford M. Noreen, President

Date November 26, 2007

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/ Clifford M. Noreen

Clifford M. Noreen, President

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Date November 26, 2007

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

James M. Roy, Vice President and
Chief Financial Officer

Date November 26, 2007

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