

MASSMUTUAL CORPORATE INVESTORS

Form N-Q

November 27, 2006

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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: 09/30/06

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ITEM 1. SCHEDULE OF INVESTMENTS.

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CONSOLIDATED SCHEDULE OF INVESTMENTS

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES - 70.17%: (A)		
PRIVATE PLACEMENT INVESTMENTS - 65.12%		
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	04/08/0
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)	2,323 shs.	04/08/0
Warrant, exercisable until 2012, to purchase preferred stock at \$.01 per share (B)	63,287 shs.	03/23/0
ADORN, INC.		
A manufacturer of wall panels, cabinets, moldings and countertops for houses and recreational vehicles.		
12.5% Subordinated Note due 2010	\$ 2,125,000	02/29/0
Warrant, exercisable until 2010, to purchase common stock at \$.02 per share (B)	364 shs.	02/29/0
AMERCABLE, INC.		
A manufacturer of electric power, instrumentation and control cables, primarily for the mining and oil and gas industries.		
12% Senior Subordinated Note due 2013	\$ 1,101,852	04/08/0
Limited Partnership Interest (B)	0.36% int.	04/07/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	125 shs.	04/08/0
AMERICAN HOSPICE MANAGEMENT HOLDING LLC		
A for-profit hospice care provider in the United States.		
12% Senior Subordinated Note due 2010	\$ 2,125,000	01/22/0
Preferred Class A Unit (B)	3,223 uts.	
Common Class B Unit	30,420 uts.	01/22/0
Common Class D Unit (B)	6,980 uts.	09/12/0
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	05/18/0
Common Stock (B)	497 shs.	05/18/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	130 shs.	05/18/0

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AUGUSTA SPORTSWEAR HOLDING CO.

A manufacturer and distributor of athletic apparel, activewear and team uniforms.

12% Senior Subordinated Note due 2012	\$	1,686,800		12/31/0
Common Stock (B)				*
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)				12/31/0

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

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)

Shares, Units, Warrants, Ownership or Principal Amount	Acquisiti Date
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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		03/31/0
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)				03/31/0

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		06/30/0
Preferred Stock Class A (B)		879 shs.		06/30/0
Common Stock (B)		1 shs.		06/30/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)				06/30/0

C & J SPEC-RENT SERVICES, INC.

A provider of coiled tubing and pressure pumping services to the oil and gas industry in Texas and Louisiana.

10% Senior Secured Term Note due 2012	\$	1,551,492		08/12/0
14% Senior Subordinated Note due 2013	\$	1,148,710		08/12/0
Common Stock (B)		470,150 shs.		08/12/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)				08/12/0

CAINS FOODS, L.P.

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A producer of mayonnaise and sauce products for both the retail and food service markets.

Limited Partnership Interest (B)	3.69 % int.	09/29/9
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CAPESUCCESS LLC

A provider of diversified staffing services.

Preferred Membership Interests (B)	1,882 uts.	04/29/0
Common Membership Interests (B)	24,318 uts.	04/29/0

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	\$ 462,862	04/30/0
11.5% Senior Subordinated Note due 2011	\$ 424,819	04/30/0
Common Stock (B)	126,812 shs.	04/30/0
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	87,672 shs.	04/30/0

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

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

COINING CORPORATION OF AMERICA LLC

A manufacturer of close tolerance parts and metal stampings.

10.74% Senior Secured Revolving Credit Facility due 2007 (C)	\$ 108,025	01/07/0
10.74% Senior Secured Tranche A Note due 2007 (C)	\$ 759,887	06/26/0
13% Senior Secured Tranche B Note due 2008	\$ 648,148	06/26/0
Limited Partnership Interest (B)	6.38% int.	06/26/0
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)	107,036 shs.	06/26/0

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.	*

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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		06/15/0
Common Stock (B)		509 shs.		**
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)			103 shs.	06/15/0

COREPHARMA LLC

A manufacturer of oral dose generic pharmaceuticals
targeted at niche applications.

12% Senior Subordinated Note due 2013	\$	2,550,000		08/04/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)			20 shs.	08/04/0

CORVEST GROUP, INC.

A manufacturer and distributor of promotional products.

12% Senior Subordinated Note due 2009 (D)	\$	3,863,636		***
Common Stock (B)		56 shs.		***
Limited Partnership Interest (B)		19.32% int.		***
Warrant, exercisable until 2007, to purchase common stock at \$.01 per share (B)			324 shs.	***

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

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

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

****03/05/99 and 03/24/99.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006

(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)

		Shares, Units, Warrants, Ownership or		Acquisit Date
		Principal Amount		Date
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DEXTER MAGNETICS TECHNOLOGIES, INC.

A designer, fabricator, assembler and distributor of
industrial magnets and subassemblies in North America
and Europe.

Common Stock		585 shs.		07/19/0
Warrant, exercisable until 2006, to purchase common stock at \$.01 per share			297 shs.	07/19/0

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DIRECTED ELECTRONICS, INC.

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

Common Stock (B)	239,547 shs.	12/19/0
Limited Partnership Interest (B)	8.70% int.	

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.	08/27/9
Preferred Stock (B)	3,278 shs.	12/14/0
Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)	13,352 shs.	*

DWYER GROUP, INC.

A franchiser of a variety of home repair services.

14% Senior Subordinated Note due 2011	\$ 1,859,375	10/30/0
Common Stock (B)	6,906 shs.	**
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	2,034 shs.	10/30/0

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.	06/28/0
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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.	09/24/0

*12/22/99 and 09/14/05.

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

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

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

Shares, Units,
Warrants,
Ownership or Acquisit

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CORPORATE RESTRICTED SECURITIES (A) (Continued)	Principal Amount -----	Date -----
<p>EAST RIVER VENTURES I, L.P. An acquirer of controlling or substantial interests in other entities.</p>		
Limited Partnership Interest (B)	0.14% int.	01/01/0
<p>ENZYMATIC THERAPY, INC. A manufacturer and distributor of branded natural medicines and nutritional supplements.</p>		
Limited Partnership Interest (B)	1.32% int.	03/30/0
Warrant, exercisable until 2009, to purchase common stock at \$.01 per share (B)	29,117 shs.	03/30/0
<p>EURO-PRO CORPORATION A designer, marketer and distributor of floor care, steam cleaning and small kitchen products and appliances.</p>		
13.25% Senior Subordinated Note due 2011	\$ 2,125,000	09/09/0
16.03% Overdue Interest Secured Note due 2008 (C)	\$ 143,465	01/13/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	43,878 shs.	09/09/0
<p>EVANS CONSOLES, INC. A designer and manufacturer of consoles and control center systems.</p>		
Common Stock (B)	90,000 shs.	05/06/0
<p>F H S HOLDING LLC A national provider of customized disease management services to large, self-insured employers.</p>		
12% Senior Subordinated Note due 2014	\$ 2,390,625	06/01/0
Preferred Unit (B)	158 uts.	06/01/0
Common Unit (B)	1,594 uts.	06/01/0
Common Unit Class B (B)	1,386 uts.	06/01/0
<p>FLUTES, INC. An independent manufacturer of micro fluted corrugated sheet material for the food and consumer products packaging industries.</p>		
10% Senior Secured Term Note due 2013	\$ 918,385	04/13/0
14% Senior Subordinated Note due 2014	\$ 549,550	04/13/0
Common Stock (B)	109,436 shs.	04/13/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	30,940 shs.	04/13/0
<p>FOWLER HOLDING, INC. A provider of site development services to residential homebuilders and developers in the Raleigh/Durham region of North Carolina.</p>		
12% Senior Subordinated Note due 2013	\$ 2,365,217	02/03/0
Common Stock (B)	185 shs.	02/03/0

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Warrant, exercisable until 2013, to purchase
common stock at \$.01 per share (B)
254 shs.
02/03/0

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)
MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES (A) (Continued)	-----	-----
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	01/31/0
Common Stock (B)	212,500 shs.	01/31/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	138,408 shs.	01/31/0
H M HOLDING COMPANY		
A designer, manufacturer, and importer of promotional and wood furniture.		
12% Senior Subordinated Note due 2013	\$ 2,210,000	02/10/0
Common Stock (B)	340 shs.	02/10/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	126 shs.	02/10/0
HIGHGATE CAPITAL LLC		
An acquirer of controlling or substantial interests in manufacturing and marketing entities.		
Series A Preferred Units (B)	1.19% int.	07/21/9
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.	
INTEGRATION TECHNOLOGY SYSTEMS, INC.		
A manufacturer of steel protective computer and network systems for the industrial and office environments.		
12% Senior Secured Note due 2007	\$ 1,644,444	03/01/0
Common Stock (B)	228 shs.	06/01/0

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ITC^DELTACOM, INC.

A provider of integrated communications services in the southeastern United States.

13.63% Senior Secured Note due 2009 (C)	\$ 2,227,179	07/26/0
17.13% Senior Secured Note due 2009 (C)	\$ 358,262	07/26/0
Warrant, exercisable until 2009, to purchase convertible preferred stock at \$.01 per share (B)	102,884 shs.	07/26/0

JASON, INC.

A diversified manufacturing company serving various industrial markets.

13% Senior Subordinated Note due 2008	\$ 963,687	08/04/0
14% Cumulative Redeemable Preferred Stock Series A (B) Limited Partnership Interests of Saw Mill Capital Fund II, L.P. (B)	289 shs.	08/04/0
Warrants, exercisable until 2008 and 2009, to purchase common stock at \$.01 per share (B)	2.50% int.	08/03/0
	50,870 shs.	08/04/0

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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JUSTRITE MANUFACTURING ACQUISITION CO.

A manufacturer of safety products such as storage cabinets and containers.

12% Senior Subordinated Note due 2011	\$ 1,593,750	12/15/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	1,121 shs.	12/15/0

K N B HOLDINGS CORPORATION

A designer, manufacturer and marketer of products for the custom framing market.

13.5% Senior Subordinated Note due 2013	\$ 2,419,414	05/25/0
Common Stock (B)	134,210 shs.	05/25/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	82,357 shs.	05/25/0

KEEPSAKE QUILTING, INC.

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

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8.89% Senior Secured Revolving Note due 2007 (C)	\$	91,732	06/16/0
8.89% Senior Secured Tranche A Note due 2007 (C)	\$	206,397	07/19/0
12% Senior Secured Tranche B Note due 2008	\$	550,392	06/16/0
Limited Partnership Interest of Riverside XVI Holding Company, L.P. (B)		5.29% int.	06/12/0
Warrant, exercisable until 2008, to purchase common stock at \$.01 per share (B)		1,108 shs.	06/12/0

KELE AND ASSOCIATES, INC.

A distributor of building automation control products.

12% Senior Subordinated Note due 2012	\$	1,831,548	02/27/0
Preferred Stock (B)		23 shs.	11/24/0
Common Stock (B)		12 shs.	02/27/0
Warrant, exercisable until 2012, to purchase common stock at \$.02 per share (B)		11 shs.	02/27/0

KEYSTONE NORTH AMERICA, INC.

An operator of funeral homes in North America.

Common Stock		49,216 shs.	02/08/0
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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	\$	3,845,000	
Common Stock (B)		5,800 shs.	
Warrant, exercisable until 2006, to purchase common stock at \$.11 per share (B)		15,572 shs.	

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit 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	\$	1,275,000	04/05/0
13% Preferred Stock (B)		565 shs.	04/05/0
Common Stock (B)		125 shs.	04/05/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)		13 shs.	04/05/0

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MAVERICK ACQUISITION COMPANY

A manufacturer of capsules that cover the cork and neck of wine bottles.

9.98% Senior Secured Tranche A Note due 2010 (C)	\$	697,169		09/03/0
12% Senior Secured Tranche B Note due 2011	\$	313,433		09/03/0
Limited Partnership Interest (B)		7.84% int.		09/03/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)			425 shs.	09/03/0

MAXON CORPORATION

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

12% Senior Subordinated Note due 2012	\$	962,215		09/30/0
8.75% Senior Subordinated Note due 2012	\$	1,155,562		09/30/0
Common Stock (B)			381,672 shs.	09/30/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)			153,572 shs.	09/30/0

MEDASSIST, INC.

A provider of patient eligibility and accounts receivable management services to hospitals and physician practices.

8% Preferred Stock (B)			84 shs.	10/28/0
Common Stock (B)			26,185 shs.	10/28/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)			88,948 shs.	05/01/0

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 \$.01 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		08/04/0
Limited Partnership Interest (B)			106,153 uts.	08/04/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)			1,107 shs.	08/04/0

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
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CORPORATE RESTRICTED SECURITIES (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit 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	03/31/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	152 shs.	03/31/0
MORTON INDUSTRIAL GROUP, INC.		
A manufacturer of highly engineered metal fabricated components.		
12% Senior Subordinated Note due 2014	\$ 2,440,909	08/25/0
Common Stock (B)	109,091 shs.	08/25/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	173,633 shs.	08/25/0
MOSS, INC.		
A manufacturer and distributor of large display and exhibit structures.		
9.48% Senior Secured Revolving Note due 2010 (C)	\$ 92,647	07/03/0
9.48% Senior Secured Tranche A Note due 2010 (C)	\$ 962,500	12/21/0
12% Senior Secured Tranche B Note due 2010	\$ 350,000	12/21/0
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.	12/21/0
NABCO, INC.		
A producer of explosive containment vessels in the United States.		
12% Senior Subordinated Note due 2014	\$ 625,000	02/24/0
Limited Partnership Interest (B)	650 uts.	02/24/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	48 shs.	02/24/0
NEFF MOTIVATION, INC.		
A manufacturer and distributor of customized awards and sportswear to schools.		
12.5% Senior Subordinated Note due 2011	\$ 1,062,500	01/31/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	212 shs.	01/31/0
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	03/29/0
10% Preferred Stock (B)	255 shs.	03/29/0

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Common Stock (B)	6,455 shs.	03/29/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	8,622 shs.	03/29/0

*09/20/00 and 05/23/02.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.) MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES (A) (Continued)	-----	-----
NYLONCRAFT, INC.		
A supplier of engineered plastic components for the automotive industry.		
9% Senior Secured Note due 2009	\$ 812,500	01/28/0
11.5% Senior Subordinated Note due 2012	\$ 1,500,000	01/28/0
Common Stock (B)	312,500 shs.	01/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	243,223 shs.	01/28/0
 O R S NASCO HOLDING, INC.		
A wholesale distributor of industrial supplies in North America.		
13% Senior Subordinated Note due 2013	\$ 2,372,732	12/20/0
Common Stock (B)	177,268 shs.	12/20/0
Warrant, exercisable until 2015, to purchase common stock at \$.01 per share (B)	99,771 shs.	12/20/0
 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	01/03/0
13% Senior Subordinated Note due 2013	\$ 687,241	01/03/0
Common Stock (B)	322,307 shs.	01/03/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	72,185 shs.	01/03/0
 OLYMPIC SALES, INC.		
A boat retailer in Washington state, Oregon, California and British Columbia.		
12% Senior Subordinated Note due 2008	\$ 2,205,071	*
Limited Partnership Interest of Riverside VIII, VIII-A and VIII-B Holding Company, L.P. (B)	20.57% int.	
Warrants, exercisable until 2007 and 2008, to purchase		

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common stock at \$.01 per share (B) 28,648 shs. *

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	01/17/0
Limited Partnership Interest (B)	3,667 uts.	01/17/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	619 shs.	01/17/0

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

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

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006

(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)

Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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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	04/28/0
Common Stock (B)	95 shs.	04/28/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	94 shs.	04/28/0

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	\$ 2,167,847	07/03/0
Preferred Unit (B)	382 uts.	07/03/0
Preferred Unit (B)	69 uts.	07/03/0
Common Unit Class I (B)	148 uts.	07/03/0
Common Unit Class L (B)	31 uts.	07/03/0

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	03/31/0
Preferred Stock (B)	36 shs.	03/31/0
Common Stock (B)	23 shs.	03/31/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	13 shs.	03/31/0

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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	12/19/0
Membership Interests of MM/Lincap PPI Investments, Inc., LLC (B)		2.42% int.	12/21/0

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.	08/12/9
Common Stock (B)		2,600 shs.	

QUALIS AUTOMOTIVE LLC

A distributor of aftermarket automotive brake and chassis products.

12% Senior Subordinated Note due 2012	\$	1,770,834	05/28/0
Common Stock		354,166 shs.	05/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share		377,719 shs.	05/28/0

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

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

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	07/09/0
Limited Partnership Interest (B)		9.26% int.	07/09/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)		528 shs.	07/09/0

RADIAC ABRASIVES, INC.

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

12% Senior Subordinated Note due 2014	\$	2,260,638	02/10/0
Common Stock (B)		289,362 shs.	02/10/0

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Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	131,555 shs.	02/10/0
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	09/29/0
Limited Partnership Interest (B)	40,610 uts.	09/29/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,575 shs.	09/29/0
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	11/14/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	140 shs.	11/14/0
SAFETY SPEED CUT MANUFACTURING COMPANY, INC.		
A manufacturer of vertical panel saws and routers for the wood working industry.		
8.73% Senior Secured Tranche A Note due 2007 (C)	\$ 423,995	06/02/9
12% Senior Secured Tranche B Note Due 2007	\$ 1,130,652	06/02/9
Class B Common Stock (B)	1,480 shs.	06/02/9
SAVAGE SPORTS HOLDING, INC.		
A manufacturer of sporting firearms.		
12% Senior Subordinated Note due 2012	\$ 1,538,793	09/10/0
Common Stock (B)	586 shs.	09/10/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	134 shs.	09/10/0
SPECIALTY FOODS GROUP, INC.		
A manufacturer and distributor of branded meat products.		
Limited Partnership Interest of MHD Holdings LLC	1.43% int.	08/29/0

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)

Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
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STANTON CARPET HOLDING CO.

A designer and marketer of high and mid-priced decorative carpets and rugs.

12.125% Senior Subordinated Note due 2014	\$	2,239,024		08/01/0
Common Stock (B)		311 shs.		08/01/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)			104 shs.	08/01/0

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.	01/14/0
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SYNVENTIVE EQUITY LLC

A manufacturer of hot runner systems used in the plastic injection molding process.

Limited Partnership Interest (B)		1.99% int.		08/20/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)			86,780 shs.	08/21/0

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		10/14/0
Preferred Stock (B)		3,304 shs.		10/14/0
Common Stock (B)		2,203 shs.		10/14/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)			1,167 shs.	10/14/0

TERRA RENEWAL SERVICES, INC.

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.

8.68% Senior Secured Tranche A Note due 2011 (C)	\$	278,906		04/28/0
8.75% Senior Secured Tranche A Note due 2011 (C)	\$	213,281		04/28/0
8.93% Senior Secured Tranche B Note due 2012 (C)	\$	314,795		04/28/0
8.65% Senior Secured Tranche B Note due 2012 (C)	\$	423,487		04/28/0
8.64% Senior Secured Tranche B Note due 2012 (C)	\$	366,680		09/11/0
12% Senior Subordinated Note due 2014	\$	1,162,110		04/28/0
Limited Partnership Interest of Saw Mill Capital Fund V, L.P.			2.30% int.	03/01/0
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)			72 shs.	04/28/0

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006

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(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (Continued)	Shares, Units, Warrants, Ownership or Principal Amount -----	Acquisit Date -----
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	02/05/9
Common Stock (B)	630 shs.	02/04/9
Warrant, exercisable until 2006, to purchase common stock at \$.01 per share (B)	444 shs.	02/05/9
TRANSTAR HOLDING COMPANY		
A distributor of aftermarket automotive transmission parts.		
12% Senior Subordinated Note due 2013	\$ 1,734,000	08/31/0
Common Stock (B)	816 shs.	08/31/0
Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	86 shs.	08/31/0
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	\$ 789,836	01/20/0
12% Senior Subordinated Note due 2010	\$ 1,326,500	01/20/0
Common Stock (B)	227,400 shs.	01/20/0
Warrant, exercisable until 2010, to purchase common stock at \$1 per share (B)	260,563 shs.	01/20/0
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 \$.01 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	04/11/0
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	5,781 shs.	04/11/0
TUBULAR TEXTILE MACHINERY		
A designer, manufacturer, seller and servicer of finishing		

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machinery for the knit and woven segments of the global textile industry.

12% Senior Subordinated Note due 2014	\$ 1,234,551	05/28/0
8.75% Senior Secured Note due 2011	\$ 716,292	05/28/0
Common Stock (B)	674,157 shs.	05/28/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	203,912 shs.	05/28/0

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

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

	Shares, Units, Warrants, Ownership or Principal Amount	Acquisit Date
CORPORATE RESTRICTED SECURITIES (A) (Continued)	-----	-----
U S S HOLDINGS, INC.		
A producer of high grade industrial and specialty silica sands.		
14% Redeemable Preferred Stock (B)	997 shs.	09/30/9
Convertible Preferred Stock Series A and B, convertible into common stock at \$9.26 per share (B)	145,446 shs.	12/19/9
Common Stock (B)	20,027 shs.	09/30/9
Warrants, exercisable until 2010 to purchase common stock at \$.01 per share (B)	4,918 shs.	
 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	04/30/0
Common Stock (B)	182 shs.	04/30/0
Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)	230 shs.	04/30/0
 VICTORY VENTURES LLC		
An acquirer of controlling or substantial interests in other entities.		
Series A Preferred Units (B)	0.15% int.	12/02/9
 VITALITY FOODSERVICE, INC.		
A non-carbonated beverage dispensing company focused on the foodservice industry.		
13% Senior Subordinated Note due 2011	\$ 1,887,288	09/24/0
Common Stock (B)	23,771 shs.	09/24/0
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	23,787 shs.	09/24/0

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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		07/19/0
Limited Partnership Interest Class A (B)		1.75% int.		07/19/0
Limited Partnership Interest Class B (B)		0.77% int.		07/19/0

WALLS INDUSTRIES, INC.

A provider of branded workwear and sporting goods apparel.

10% Senior Subordinated Lien Note due 2009	\$	838,816		07/12/0
14% Senior Subordinated Note due 2012	\$	1,085,380		07/12/0
Limited Partnership Interest (B)		0.40% int.		07/12/0
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)		4,029 shs.		07/12/0

TOTAL PRIVATE PLACEMENT INVESTMENTS

*12/19/96 and 09/30/99.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE RESTRICTED SECURITIES (A) (CONTINUED)	Interest Rate	Due Date	Shares or Principal Amount	Cost
RULE 144A SECURITIES - 5.05%:				
BONDS - 5.05%				
A E S Corporation	9.000%	05/15/15	\$ 200,000	\$ 200,000
Activant Solutions, Inc. (C)	9.500	05/01/16	150,000	150,000
American Tire Distributor (C)	11.758	04/01/12	1,000,000	950,000
Basic Energy Services	7.125	04/15/16	225,000	225,000
Bombardier, Inc.	6.300	05/01/14	1,000,000	890,000
Brigham Exploration Co.	9.625	05/01/14	700,000	690,400
Calpine Corporation	8.750	07/15/13	500,000	465,000
Charter Communications Op LLC	8.000	04/30/12	250,000	249,370
Douglas Dynamics LLC	7.750	01/15/12	630,000	633,400
Edison Mission Energy	7.750	06/15/16	500,000	500,000
G F S I, Inc.	11.000	06/01/11	750,000	682,540
Interactive Health LLC	7.250	04/01/11	872,000	747,930
Packaging Dynamics Corporation of America	10.000	05/01/16	700,000	700,000
Petrohawk Energy Corporation	9.125	07/15/13	1,000,000	998,020
Pregis Corporation	12.375	10/15/13	1,000,000	981,490
Service Corporation International (C)	8.000	06/15/17	1,000,000	990,030
Stewart & Stevenson LLC	10.000	07/15/14	1,200,000	1,225,610
Tekni-Plex, Inc. (C)	9.750	11/15/13	650,000	655,900
Tenaska Alabama Partners LP	7.000	06/30/21	351,805	351,800
Tunica-Biloxi Gaming Authority	9.000	11/15/15	1,000,000	1,032,770

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TOTAL BONDS			13,319,29
COMMON STOCK - 0.00%			
Jordan Telecom Products	70	\$	14,00
TOTAL COMMON STOCK			14,00
WARRANTS - 0.00%			
Winsloew Furniture, Inc. (B)	900	\$	
TOTAL WARRANTS			
TOTAL RULE 144A SECURITIES			13,333,30
TOTAL CORPORATE RESTRICTED SECURITIES			\$185,334,62

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE PUBLIC SECURITIES - 30.06%: (A)	Interest Rate	Due Date	Principal Amount	Cost
BONDS - 27.93%				
A M C Entertainment, Inc.	11.000%	02/01/16	\$ 815,000	\$ 817,37
Abitibi-Consolidated, Inc.	7.750	06/15/11	1,000,000	1,028,29
Affinia Group, Inc.	9.000	11/30/14	910,000	834,62
Alamosa Delaware, Inc.	11.000	07/31/10	325,000	328,95
Alamosa Delaware, Inc.	8.500	01/31/12	400,000	400,00
ALH Fin LLC/ALH Fin Corporation	8.500	01/15/13	950,000	918,81
Allied Waste NA	7.875	04/15/13	1,000,000	1,022,84
Appleton Papers, Inc.	8.125	06/15/11	300,000	300,00
Argo Tech Corporation	9.250	06/01/11	850,000	850,00
Atlas Pipeline Partners	8.125	12/15/15	200,000	200,00
Bally Total Fitness Holding Corporation	9.875	10/15/07	135,000	128,92
BCP Crystal US Holdings Corporation	9.625	06/15/14	485,000	485,00
Blockbuster, Inc. (C)	9.000	09/01/12	475,000	476,00
CCH I Holdings LLC	11.000	10/01/15	1,000,000	890,00
CCH I Holdings LLC	11.125	01/15/14	1,000,000	640,43
Cablevision Systems Corporation	8.000	04/15/12	1,000,000	1,014,07
Cadmus Communications Corporation	8.375	06/15/14	1,000,000	995,62
Cenveo Corporation	7.875	12/01/13	1,100,000	1,100,00
Chemed Corporation	8.750	02/24/11	1,125,000	1,125,00
Chesapeake Energy Corporation	7.000	08/15/14	1,075,000	1,111,86
Cincinnati Bell, Inc.	8.375	01/15/14	1,100,000	1,007,50
Clayton Williams Energy, Inc.	7.750	08/01/13	800,000	800,00
Consolidated Container Corporation (E)	0.000	06/15/09	750,000	719,53
Del Monte Corporation	8.625	12/15/12	225,000	225,00
Dollar Financial Group	9.750	11/15/11	444,000	444,00
Dominos Pizza, Inc.	8.250	07/01/11	292,000	289,89
Dynergy Holdings, Inc.	6.875	04/01/11	500,000	422,50
Dynergy Holdings, Inc.	8.375	05/01/16	330,000	330,00
El Paso Corporation	7.875	06/15/12	1,050,000	1,061,83
Esterline Technologies	7.750	06/15/13	200,000	200,00
Flextronics International Ltd.	6.500	05/15/13	400,000	400,00

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Ford Motor Credit Co.	7.375	10/28/09	1,250,000	1,246,87
Gencorp, Inc.	9.500	08/15/13	259,000	259,00
General Motors Acceptance Corporation	7.750	01/19/10	1,250,000	1,296,46
Geo Sub Corporation	11.000	05/15/12	600,000	595,50
Goodyear Tire & Rubber Co.	7.857	08/15/11	1,400,000	1,342,75
Great Lakes Dredge & Dock Corporation	7.750	12/15/13	1,015,000	926,31
GulfMark Offshore, Inc.	7.750	07/15/14	565,000	562,59
Houghton Mifflin Co.	9.875	02/01/13	1,000,000	1,046,57
Imax Corporation	9.625	12/01/10	1,000,000	1,028,67
Inergy LP	8.250	03/01/16	150,000	150,00
Insurance Auto Auctions, Inc.	11.000	04/01/13	1,000,000	1,009,29
Intelsat Subsidiary Holding Company Ltd. (C)	9.614	01/15/12	1,000,000	1,009,72
Interline Brands, Inc.	8.125	06/15/14	325,000	322,67
Iron Mountain, Inc.	8.750	07/15/18	1,065,000	1,100,31
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
Leucadia National Corporation	7.000	08/15/13	650,000	661,35
Liberty Media Corporation	5.700	05/15/13	1,000,000	951,61
Lodgenet Entertainment Corporation	9.500	06/15/13	425,000	425,00
Lyondell Chemical Co.	9.500	12/15/08	530,000	516,36

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE PUBLIC SECURITIES (A) (Continued)	Interest Rate	Due Date	Principal Amount	Cost
BONDS, CONTINUED				
M G M Mirage, Inc.	6.000%	10/01/09	\$ 375,000	\$ 378,56
Mac-Gray Corporation	7.625	08/15/15	600,000	600,00
Majestic Star Casino LLC	9.500	10/15/10	500,000	500,00
Manitowoc Company, Inc.	7.125	11/01/13	200,000	200,00
Markwest Energy Operating Co.	6.875	11/01/14	475,000	475,00
Mediacom LLC	9.500	01/15/13	1,000,000	1,002,12
Metaldyne Corporation	11.000	06/15/12	750,000	601,25
Metaldyne Corporation (C)	10.000	11/01/13	510,000	513,58
Mrs. Fields Brands	11.500	03/15/11	750,000	713,71
N R G Energy, Inc.	7.375	02/01/16	175,000	175,00
Nalco Co.	7.750	11/15/11	500,000	500,00
National Wine & Spirits, Inc.	10.125	01/15/09	1,260,000	1,252,42
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	400,000	400,00
Nova Chemicals Corporation (C)	8.405	11/15/13	475,000	475,00
NTL Cable PLC	9.125	08/15/16	980,000	1,003,22
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
P Q Corporation	7.500	02/15/13	1,100,000	1,088,75
Pacific Energy Partners	7.125	06/15/14	500,000	503,81
Pacific Energy Partners	6.250	09/15/15	150,000	149,31
Pinnacle Foods Group	8.250	12/01/13	450,000	450,00
Pliant Corporation (C)	11.850	06/15/09	833,687	832,98
Primedia, Inc.	8.000	05/15/13	1,000,000	1,023,35
Quality Distribution LLC	9.000	11/15/10	300,000	288,00
Quality Distribution LLC (C)	10.007	01/15/12	325,000	323,37

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Quicksilver Resources, Inc	7.125	04/01/16	500,000	500,000
Rent-A-Center, Inc.	7.500	05/01/10	400,000	400,000
Rent-Way, Inc.	11.875	06/15/10	800,000	832,750
Rock-Tenn Co.	8.200	08/15/11	1,000,000	1,006,790
Rogers Wireless, Inc.	7.250	12/15/12	165,000	165,000
Rogers Wireless, Inc.	7.500	03/15/15	870,000	929,180
Rogers Wireless, Inc.	8.000	12/15/12	165,000	165,000
Samsonite Corporation	8.875	06/01/11	1,000,000	1,038,330
Sbarro, Inc.	11.000	09/15/09	1,000,000	1,013,150
Sheridan Acquisition Corporation	10.250	08/15/11	375,000	370,000
Sierra Pacific Resources	6.750	08/15/17	635,000	638,200
Stanadyne Corporation	10.000	08/15/14	1,500,000	1,500,000
Sungard Data Systems	9.125	08/15/13	175,000	175,000
Tekni-Plex, Inc.	12.750	06/15/10	1,000,000	960,120
Telex Communications, Inc.	11.500	10/15/08	500,000	500,000
Tenet Healthcare Corporation	9.875	07/01/14	500,000	488,370
Tenneco, Inc.	8.625	11/15/14	1,000,000	1,002,500
Texas Industries, Inc.	7.250	07/15/13	70,000	70,000
Trimas Corporation	9.875	06/15/12	625,000	566,250
Triton P C S, Inc.	8.500	06/01/13	550,000	550,000
Unisys Corporation	8.000	10/15/12	190,000	190,000
United Components, Inc.	9.375	06/15/13	1,080,000	1,081,710
United Rentals, Inc.	7.750	11/15/13	625,000	625,000
United Rentals, Inc.	7.000	02/15/14	500,000	500,000
Universal City Florida	8.375	05/01/10	200,000	200,000

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
(Unaudited)

CORPORATE PUBLIC SECURITIES (A) (Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
BONDS, CONTINUED				
Universal City Florida (C)	10.239%	05/01/10	\$ 200,000	\$ 200,000
Vertis, Inc.	10.875	06/15/09	280,000	275,400
Vought Aircraft Industries	8.000	07/15/11	1,000,000	999,890
Warner Music Group	7.375	04/15/14	275,000	275,000
Waste Services, Inc.	9.500	04/15/14	1,100,000	1,124,730
Wornick Co.	10.875	07/15/11	750,000	750,000
TOTAL BONDS				73,020,340
COMMON STOCK - 1.04%				
Bally Total Fitness Holding Corporation (B)			600	\$ 5,520
Bare Escentuals, Inc (B)			400	8,800
PepsiAmericas, Inc.			92,145	2,006,360
Supreme Industries, Inc.			115,722	267,320
TOTAL COMMON STOCK				2,288,010
CONVERTIBLE BONDS - 1.09%				
Citadel Broadcasting Corporation	1.875%	02/15/11	\$ 700,000	\$ 543,370
Graftech International	1.625	01/15/24	1,500,000	1,083,750
ICOS Corporation	2.000	07/01/23	750,000	596,250

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Q L T, Inc.	3.000	09/15/23	600,000	546,25
TOTAL CONVERTIBLE BONDS				2,769,63
TOTAL CORPORATE PUBLIC SECURITIES				\$ 78,077,98
SHORT-TERM SECURITIES:				
	Interest Rate/Yield	Due Date	Principal Amount	Cost
COMMERCIAL PAPER - 2.30%				
Detroit Edison Co.	5.300%	10/02/06	\$ 3,777,000	\$ 3,775,88
Kraft Foods, Inc.	5.310	10/03/06	789,000	788,65
Kraft Foods, Inc.	5.330	10/04/06	1,475,000	1,474,12
TOTAL SHORT-TERM SECURITIES				\$ 6,038,66
TOTAL INVESTMENTS		102.53%	\$269,451,27	
Other Assets	5.93			
Liabilities	(8.46)			
TOTAL NET ASSETS		100.00%	=====	

- (A) In each of the convertible note, warrant, convertible preferred and common stock investments, has agreed to provide certain registration rights.
 (B) Non-income producing security.
 (C) Variable rate security; rate indicated is as of 09/30/06.
 (D) Defaulted Security; interest not accrued.
 (E) Step Bond: Coupon rate is zero or below market for an initial period and then increases to a coupon rate at a specified date.

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
 (Unaudited)

INDUSTRY CLASSIFICATION:	Fair Value/ Market Value	
AEROSPACE - 2.86%		BUILDINGS & REAL ESTATE -
Argo Tech Corporation	\$ 884,000	Adorn, Inc.
Consolidated Foundries Holdings	2,659,446	Texas Industries, Inc.
Esterline Technologies	202,000	TruStile Doors, Inc.
Gencorp, Inc.	269,360	
P A S Holdco LLC	2,591,219	
Vought Aircraft Industries	917,500	
	-----	CHEMICAL, PLASTICS & RUBBER
	7,523,525	BCP Crystal US Holding Cor
	-----	Capital Specialty Plastics
AUTOMOBILE - 10.40%		Koppers, Inc.
American Tire Distributor	911,250	Lyondell Chemical Co.
Ford Motor Credit Co.	1,214,755	Nalco Co.
Fuel Systems Holding Corporation	2,537,992	Nova Chemicals Corporation
General Motors Acceptance Corporation	1,280,805	P Q Corporation
Goodyear Tire & Rubber Co.	1,361,500	

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Jason, Inc.	1,988,171
LIH Investors, L.P.	4,073,775
Metaldyne Corporation	1,190,100
Nyloncraft, Inc.	2,491,054
Ontario Drive & Gear Ltd.	2,499,910
Qualis Automotive LLC	3,171,667
Tenneco, Inc.	987,500
Transtar Holding Company	2,558,127
United Components, Inc.	1,069,200

	27,335,806

BEVERAGE, DRUG & FOOD - 5.83%	
Beta Brands Ltd.	--
Cains Foods, L.P.	143,302
Del Monte Corporation	235,969
Dominos, Inc.	306,600
Eagle Pack Pet Foods, Inc.	1,597,339
Land O'Lakes, Inc.	795,000
Mrs. Fields Brands	630,000
National Wine & Spirits, Inc.	1,272,600
Nonni's Food Company	2,224,709
PepsiAmericas, Inc.	1,966,374
Pinnacle Foods Group	450,563
River Ranch Fresh Foods LLC	1,473,334
Sbarro, Inc.	1,017,500
Specialty Foods Group, Inc.	--
Vitality Foodservice, Inc.	2,457,669
Wornick Co.	746,250

	15,317,209

BROADCASTING & ENTERTAINMENT - 2.63%	
CCH I Holdings LLC	1,612,500
Cablevision Systems Corporation	1,012,500
Cenveo Corporation	1,042,250
Charter Communications Op LLC	251,875
Citadel Broadcasting Corporation	569,625
Liberty Media Corporation	943,621
Lodgenet Entertainment Corporation	454,750
Mediacom LLC	1,022,500

	6,909,621

CONSUMER PRODUCTS - 7.63%
 ALH Fin LLC/ALH Fin Corpor
 Augusta Sportswear Holding
 Bravo Sports Holding Corpo
 Euro-Pro Corporation
 G F S I, Inc.
 K N B Holdings Corporation
 Momentum Holding Co.
 Neff Motivation, Inc.
 Royal Baths Manufacturing
 The Tranzonic Companies
 Walls Industries, Inc.
 Winslow Furniture, Inc.

CONTAINERS, PACKAGING
 & GLASS - 5.58%
 Consolidated Container Cor
 Flutes, Inc.
 Maverick Acquisition Compa
 P I I Holding Corporation
 Packaging Dynamics Corpora
 Paradigm Packaging, Inc.
 Pliant Corporation
 Pregis Corporation
 Tekni-Plex, Inc.
 Vitex Packaging, Inc.

DISTRIBUTION - 3.51%
 Affina Group, Inc.
 Corvest Group, Inc.
 Kele and Associates, Inc.
 Magnatech International, I
 O R S Nasco Holding, Inc.
 Qualserv Corporation
 Strategic Equipment & Supp

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONT.)

MASSMUTUAL CORPORATE INVESTORS

September 30, 2006
 (Unaudited)

INDUSTRY CLASSIFICATION: (Cont.)

Fair Value/
 Market Value

DIVERSIFIED/CONGLOMERATE,
 MANUFACTURING - 6.97%
 Activant Solutions, Inc.

\$ 138,750

HEALTHCARE, EDUCATION &
 CHILDCARE - 3.90%
 A T I Acquisition Company

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AmerCable, Inc.	1,519,203	American Hospice Management
Arrow Tru-Line Holdings, Inc.	2,381,335	F H S Holding LLC
Bombardier, Inc.	897,500	ICOS Corporation
Coining Corporation of America LLC	2,250,938	Interactive Health LLC
Dexter Magnetics Technologies, Inc.	1,213,807	MedAssist, Inc.
Douglas Dynamics LLC	595,350	Q L T, Inc.
Evans Consoles, Inc.	--	Tenet Healthcare Corporati
Geo Sub Corporation	618,000	
Graftech International	1,078,125	
Great Lakes Dredge & Dock Corporation	943,950	
Radiac Abrasives, Inc.	2,507,255	HOME & OFFICE FURNISHINGS,
Trimas Corporation	578,125	HOUSEWARES, AND DURABLE
Truck Bodies & Equipment International	3,603,089	CONSUMER PRODUCTS - 6.45
	-----	Connor Sport Court Interna
	18,325,427	H M Holding Company
	-----	Home Decor Holding Company
DIVERSIFIED/CONGLOMERATE,		Justrite Manufacturing Acq
SERVICE - 5.69%		Monessen Holding Corporati
Allied Waste NA	1,022,500	Samsonite Corporation
Bare Escentuals, Inc.	10,860	Stanton Carpet Holding Co.
CapeSuccess LLC	5,862	U-Line Corporation
Chemed Corporation	1,167,188	
Diversco, Inc./DHI Holdings, Inc.	2,505,724	
Dwyer Group, Inc.	2,826,280	
Fowler Holding, Inc.	2,548,083	LEISURE, AMUSEMENT,
Interline Brands, Inc.	329,062	ENTERTAINMENT - 4.09%
Iron Mountain, Inc.	1,104,938	A M C Entertainment, Inc.
Keystone North America, Inc.	289,071	Bally Total Fitness Holdin
Mac-Gray Corporation	612,000	IMAX Corporation
Moss, Inc.	1,565,974	Keepsake Quilting, Inc.
Service Corporation International	957,500	M G M Mirage, Inc.
	-----	Majestic Star Casino LLC
	14,945,042	O E D Corp/Diamond Jo Comp
	-----	Overton's Holding Company
ELECTRONICS - 1.91%		Savage Sports Holding, Inc
A E S Corporation	215,500	Tunica-Biloxi Gaming Autho
Calpine Corporation	503,750	Universal City Florida
Directed Electronics, Inc.	3,908,557	Warner Music Group
Flextronics International Ltd.	396,000	

	5,023,807	

FARMING & AGRICULTURE - 0.00%		MACHINERY - 7.16%
Protein Genetics, Inc.	--	Integration Technology Sys
	-----	Manitowoc Company, Inc.
FINANCIAL SERVICES - 0.73%		Maxon Corporation
Dollar Financial Group	484,377	Morton Industrial Group, I
East River Ventures I, L.P.	8,104	Safety Speed Cut Manufactu
Highgate Capital LLC	2,947	Stanadyne Corporation
Lazard LLC	781,478	Stewart & Stevenson LLC
Leucadia National Corporation	656,500	Supreme Industries, Inc.
Victory Ventures LLC	2	Synventive Equity LLC
	-----	Tronair, Inc.
	1,933,408	Tubular Textile Machinery

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September 30, 2006
(Unaudited)

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

MEDICAL DEVICES/BIOTECH - 2.31%		TECHNOLOGY - 1.85%
Coeur, Inc.	\$ 1,263,233	C & J Spec-Rent Services,
E X C Acquisition Corporation	129,824	Sungard Data Systems
MicroGroup, Inc.	3,137,493	Unisys Corporation
OakRiver Technology, Inc.	1,536,220	

	6,066,770	
	-----	TELECOMMUNICATIONS - 3.43%
MINING, STEEL, IRON &		Alamosa Delaware
NON PRECIOUS METALS - 0.04%		Cincinnati Bell, Inc.
U S S Holdings, Inc.	108,991	Intelsat Subsidiary Holding
	-----	ITC^DeltaCom, Inc.
NATURAL RESOURCES - 0.86%		Jordan Telecom Products
Abitibi-Consolidated, Inc.	915,000	NTL Cable PLC
Appleton Papers, Inc.	300,000	Rogers Wireless, Inc.
Rock-Tenn Co.	1,040,000	Telex Communications, Inc.
	-----	Triton P C S, Inc.
	2,255,000	

OIL AND GAS - 1.73%		TRANSPORTATION - 1.70%
Basic Energy Services	217,125	NABCO, Inc.
Brigham Exploration Co.	682,500	Quality Distribution LLC
Chesapeake Energy Corporation	1,062,906	Tangent Rail Corporation
Clayton Williams Energy, Inc.	720,000	
GulfMark Offshore, Inc.	567,825	
North American Energy Partners	399,000	UTILITIES - 2.30%
Offshore Logistics, Inc.	421,875	Atlas Pipeline Partners
Quicksilver Resources, Inc.	473,750	Dynegy Holdings, Inc.
	-----	Edison Mission Energy
	4,544,981	El Paso Corporation
	-----	Inergy LP
PHARMACEUTICALS - 1.00%		Markwest Energy Operating
CorePharma LLC	2,532,288	N R G Energy, Inc.
Enzymatic Therapy, Inc.	106,250	Pacific Energy Partners
	-----	Petrohawk Energy Corporati
	2,638,538	Sierra Pacific Resources
	-----	Tenaska Alabama Partners L
PUBLISHING/PRINTING - 1.68%		
Cadmus Communications Corporation	967,500	WASTE MANAGEMENT/ POLLUTION - 1.55%
Houghton Mifflin Co.	1,057,500	Terra Renewal Services, In
Newark Group, Inc.	824,500	Waste Services, Inc.
Primedia, Inc.	907,500	
Sheridan Acquisition Corporation	379,688	
Vertis, Inc.	281,400	

	4,418,088	

RETAIL STORES - 3.53%		Total Corporate Restricted
Blockbuster, Inc.	435,813	Public Securities - 100.23
Insurance Auto Auctions, Inc.	995,000	
Neiman Marcus Group, Inc.	1,350,000	
Olympic Sales, Inc.	4,070,490	
Rent-A-Center, Inc.	402,000	
Rent-Way, Inc.	928,000	

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United Rentals, Inc.	1,085,625

	9,266,928

INCOME TAX INFORMATION

The aggregate cost of investments was substantially the same for financial reporting and federal 30, 2006. The net unrealized depreciation of investments for financial reporting and federal tax is \$14,855 and consists of \$22,811,678 appreciation and \$22,826,533 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 27, 2006

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

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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

Date November 27, 2006

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

James M. Roy, Vice President and
Chief Financial Officer

Date November 27, 2006

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