### MASSMUTUAL PARTICIPATION INVESTORS Form N-Q May 28, 2010

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

FORM N-Q

Quarterly Schedule of Portfolio Holdings of Registered Management Investment Company

Investment Company Act file number 811-05531

MassMutual Participation Investors

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(Exact name of registrant as specified in charter)

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1500 Main Street, Springfield, MA 01115

(Address of principal executive offices) (Zip code)

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

(Name and address of agent for service)

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

Date of fiscal year end: 12/31

Date of reporting period: 03/31/10

ITEM 1. SCHEDULE OF INVESTMENTS.

MassMutual Participation Investors

	MassMutual Participation Investors	
CONSOLIDATED SCHEDULE OF INVESTMENTS March 31, 2010		
(Unaudited)		
CORPORATE RESTRICTED SECURITIES - 91.27%:(A)	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date 
PRIVATE PLACEMENT INVESTMENTS - 87.51%		
A E COMPANY, INC. A designer and manufacturer of machined part	s and assembly structures for the com	mercial and mili
11% Senior Secured Note due 2015	\$ 807,692	*
13% Senior Subordinated Note due 2016	\$ 807,693	11/10/09
Common Stock (B)	184,615 shs.	11/10/09
Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B)	92,308 shs.	11/10/09
* 11/10/09 and 11/18/09.		
A H C HOLDING COMPANY, INC.		
A designer and manufacturer of boilers and w		
15% Senior Subordinated Note due 2015	\$ 1,322,210	11/21/07
Limited Partnership Interest (B)	12.26% int.	11/21/07
A S A P INDUSTRIES LLC		
A designer and manufacturer of components us 12.5% Senior Subordinated Note due 2015		10/21/00
Limited Liability Company Unit Class A-2 (B)		12/31/08 12/31/08
Limited Liability Company Unit Class A-3 (B)		12/31/08
A S C GROUP, INC.	· · · · · · · · · · · · · · · · · · ·	
A designer and manufacturer of high reliabil components primarily for the military and ae		ons products, co
12.75% Senior Subordinated Note due 2016	\$ 1,227,273	10/09/09
Limited Liability Company Unit Class A (B)	1,249 uts.	10/09/09
Limited Liability Company Unit Class B (B)	1,473 uts.	10/09/09
A W X HOLDINGS CORPORATION A provider of aerial equipment rental, sales operating in the State of Indiana.	and repair services to non-residenti	al construction
10.5% Senior Secured Term Note due 2014	\$ 420,000	05/15/08
13% Senior Subordinated Note due 2015	\$ 420,000	05/15/08
Common Stock (B)	60,000 shs.	05/15/08
Warrant, exercisable until 2015, to purchase		
common stock at \$.01 per share (B)	21,099 shs.	05/15/08

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

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
ADVANCED TECHNOLOGIES HOLDINGS		
A provider of factory maintenance services to industrial compa 15% Senior Subordinated Note due 2013	\$ 1,155,508	12/27/07
Preferred Stock (B)	546 shs.	12/27/07
fieldfied block (D)	510 5115.	12/2//0/
AERO HOLDINGS, INC.		
A provider of geospatial services to corporate and government 10.5% Senior Secured Term Note due 2014	\$ 930,000	03/09/07
14% Senior Subordinated Note due 2015	\$ 720,000	03/09/07
Common Stock (B)	150,000 shs.	03/09/07
Warrant, exercisable until 2015, to purchase		,,
common stock at \$.01 per share (B)	37,780 shs.	03/09/07
ALL CURRENT HOLDING COMPANY		
A specialty re-seller of essential electrical parts and compon		-
12% Senior Subordinated Note due 2015	\$ 603,697	09/26/08
Common Stock (B)	713 shs.	09/26/08
Warrant, exercisable until 2018, to purchase		00/06/00
common stock at \$.01 per share (B)	507 shs.	09/26/08
AMERICAN HARDER MANAGEMENT HALDENG II A		
AMERICAN HOSPICE MANAGEMENT HOLDING LLC A for-profit hospice care provider in the United States.		
12% Senior Subordinated Note due 2013	\$ 1,687,503	*
Preferred Class A Unit (B)	1,706 uts.	* *
Preferred Class B Unit (B)	808 uts.	06/09/08
Common Class B Unit (B)	16,100 uts.	01/22/04
Common Class D Unit (B)	3,690 uts.	09/12/06
* 01/22/04 and 06/09/08. ** 01/22/04 and 09/12/06.		
APEX ANALYTIX HOLDING CORPORATION		
A provider of audit recovery and fraud detection services and	software to commercia	al and retail b
12.5% Senior Subordinated Note due 2016	\$ 1,012,500	04/28/09
Preferred Stock Series B (B)	1,623 shs.	04/28/09
Common Stock (B)	723 shs.	04/28/09

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MassMutual Participation Investors CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010 (Unaudited)

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
<pre>ARROW TRU-LINE HOLDINGS, INC. A manufacturer of hardware for residential and commercial over 14% Senior Subordinated Note due 2012 Preferred Stock (B) Common Stock (B) Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)</pre>		n North America. 05/18/05 10/16/09
<pre>BRAVO SPORTS HOLDING CORPORATION A designer and marketer of niche branded consumer products inc. urethane wheels. 12.5% Senior Subordinated Note due 2014 Preferred Stock Class A (B) Common Stock (B) Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)</pre>	luding canopies, tra \$ 1,207,902 465 shs. 1 sh. 164 shs.	ampolines, in-li 06/30/06 06/30/06 06/30/06 06/30/06
<pre>C D N T, INC. A value-added converter and distributor of specialty pressure a 10.5% Senior Secured Term Note due 2014 12.5% Senior Subordinated Note due 2015 Common Stock (B) Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)</pre>	sensitive adhesives, \$ 429,070 \$ 429,070 41,860 shs. 32,914 shs.	08/07/08
CAPITAL SPECIALTY PLASTICS, INC. A producer of desiccant strips used for packaging pharmaceutic. Common Stock (B) * 12/30/97 and 05/29/99.	al products. 55 shs.	*
CLOUGH, HARBOUR AND ASSOCIATES An engineering service firm that is located in Albany, NY. 12.25% Senior Subordinated Note due 2015 Preferred Stock (B)	\$ 1,270,588 147 shs.	12/02/08 12/02/08

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

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
COEUR, INC. A producer of proprietary, disposable power injection syringes	^	
12% Senior Subordinated Note due 2016	\$ 642,857	10/10/08
Common Stock (B)	321 shs.	10/10/08
Warrant, exercisable until 2018, to purchase	40E cho	10/10/08
common stock at \$.01 per share (B)	495 shs.	10/10/08
Second Standard The		
CONNECTICUT ELECTRIC, INC. A supplier and distributor of electrical products sold into the	he retail and wholesa	le markets.
12% Senior Subordinated Note due 2014	\$ 1,267,387	01/12/07
Limited Liability Company Unit Class A (B)	82,613 uts.	01/12/07
Limited Liability Company Unit Class C (B)	59,756 uts.	01/12/07
CONNOR SPORT COURT INTERNATIONAL, INC. A designer and manufacturer of outdoor and indoor synthetic sp	norts flooring and ot	her temporary f
Preferred Stock Series B-2 (B)	9,081 shs.	
Preferred Stock Series C (B)	4,757 shs.	07/05/07
Common Stock (B)	380 shs.	07/05/07
Limited Partnership Interest (B)	6.8 8% int.	*
*08/12/04 and 01/14/05.		
COREPHARMA LLC		
A manufacturer of oral dose generic pharmaceuticals targeted a 12% Senior Subordinated Note due 2013	at niche applications \$ 1,350,000	08/04/05
Warrant, exercisable until 2013, to purchase	10 -1	00/04/0E
common stock at \$.001 per share (B)	10 shs.	08/04/05
CRANE RENTAL CORPORATION A crane rental company.		
13% Senior Subordinated Note due 2015	\$ 1,215,000	08/21/08
Common Stock (B)	135,000 shs.	08/21/08
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	72,037 shs.	08/21/08
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MassMutual Part	icipation Investors	
CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)	-Cipacion investors	
March 31, 2010		
(IIn and it ad)		

(Unaudited)

Principal Amount Shares, Units

CUSTOM FINGINERRED WHEELS, INC. A manufacturer of custom engineered, non-pneumatic plastic wheels and plastic tread cap tires us preducts and wheelchairs. 12.55 Senior Subordinated Note due 2016 Preferred Stock PIK Narrant, exercisable until 2016, to purchase common stock (A) DAVIS-STANDARD LLC A manufacturer, assembler, and installer of a broad range of capital equipment that is used in t processing of plastic materials. 12.55 Senior Subordinated Note due 2014 Processing of plastic materials. 12.5 Senior Subordinated Note due 2014 processing of plastic materials. 12.6 Senior Subordinated Note due 2014 processing of plastic materials. 12.7 Senior Subordinated Note due 2014 proferred Stock at \$.01 per share (B) Marcant, exercisable until 2014, to purchase common stock at \$.01 per share (B) Diversoo Investments Ld. LLC (B) Diversoo Investments Ld. LLC (B) Preferred Stock (B) Marcant, exercisable until 2011, to purchase common stock of DBH Holdings, Inc. at \$.01 per share (B) 0.57% int. 08/27/98 Preferred Stock (B) DUCAN SYSTEMS, INC. A distributor of windbields and side glass for the recreational vehicle market. 105 Senior Subordinated Note due 2014 102.857 shs. 11/01/06 103 Senior Stock (B) Marcant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 0.2,857 shs. 11/01/06 COMMON SYSTEMS, INC. A franchiser of a variety of home repair services. Common stock at \$.01 per share (B) 0.2,857 shs. 11/01/06 DIVER GEOOP, INC. A franchiser of a variety of home repair services. Common stock at \$.01 per share (B) 0.2,957 shs. 11/01/06 Marcant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 0.2,957 shs. 11/01/06 102.857 shs. 11/01/06 103/30/03 and 01/02/04. 	CORPORATE RESTRICTED SECURITIES: (A) (Continued)	or Ownership Percentage	Acquisition Date
12.58 Senior Subordinated Note due 2016       \$ 1,155,288       10/27/09         Preferred Stock PIK       156 shs.       10/27/09         Perferred Stock Series A       114 shs.       10/27/09         Common Stock (B)       38 shs.       10/27/09         Warrant, exercisable until 2016, to purchase       28 shs.       10/27/09         DAVIS-STANDARD LLC       A       manufacturer, assembler, and installer of a broad range of capital equipment that is used in t         Proferred Stock A 10.1       0.97% int.       10/30/66         Limited Partnership Interest (B)       0.97% int.       10/30/66         Warrant, exercisable until 2014, to purchase       0.97% int.       10/30/66         Warrant, exercisable until 2014, to purchase       26 shs.       10/30/06         Warrant, exercisable until 2014, to purchase       18 shs.       10/30/06         DIVERSCO, INC./DH HOLDINGS, INC.       A contract provider of janitorial and equipment maintenance services and temporary production la         Mamarants, exercisable until 2011, to purchase       12.23 shs.       12/14/01         Warrant, exercisable until 2011, to purchase       12.23 shs.       12/14/01         Marants, exercisable until 2011, to purchase       12.23 shs.       12/14/01         Marants, exercisable until 2014, to purchase       23.656 shs.       *	A manufacturer of custom engineered, non-pneumatic plastic wh	neels and plastic tre	ad cap tires use
Preferred Stock Series A       114 ahs.       10/27/09         Warrant, exercisable until 2016, to purchase       38 shs.       10/27/09         Common Stock at \$.01 per share (B)       28 shs.       10/27/09         DAVIS-STANDARD LLC       a manufacturer, assembler, and installer of a broad range of capital equipment that is used in t processing of plastic materials.       128 senior Subordinated Note due 2014       \$ 978,261       10/30/06         Limited Partnership Interest (B)       0.97% int.       10/30/06         Warrant, exercisable until 2014, to purchase       0.97% int.       10/30/06         DIVERSCO, INC./DHI HOLDINGS, INC.       26 shs.       10/30/06         Common stock at \$.01 per share (B)       18 shs.       10/30/06         DIVERSCO, INC./DHI HOLDINGS, INC.       A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap         Diversco Investments Ldd. LLC (B)       1.257% int.       08/27/98         DUNCAN SYSTEMS, INC.       *       *       *         A distributor of windshields and side glass for the recreational vehicle market.       10% Senior Secured Term Note due 2013       \$ 231,429       11/01/06         13% Senior Subordinated Note due 2014       \$ 488,572       11/01/06         13% Senior Subordinated Note due 2014       \$ 232,294 shs.       11/01/06      <	12.5% Senior Subordinated Note due 2016		
Common Stock (B) 38 shs. 10/27/09 Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B) 28 shs. 10/27/09 DAVIS-STANDARD LLC A manufacturer, assembler, and installer of a broad range of capital equipment that is used in t processing of plastic materials. 12% Senior Subordinated Note due 2014 \$ 978,261 10/30/06 Limited Partnership Interest (B) 0.97% int. 10/30/06 Warrant, exercisable until 2014, to purchase preferred stock at \$.01 per share (B) 26 shs. 10/30/06 DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) 13.57% int. 08/27/98 Preferred Stock (B) 1.293 shs. 12/14/01 Warrant, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) 6,676 shs. * * 10/24/96 and 08/28/98. DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Sucred Term Note due 2013 \$ 231,429 11/01/06 Common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Common stock at \$.01 per share (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03			
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A manufacturer, assembler, and installer of a broad range of capital equipment that is used in t processing of plastic materials. 128 Senior Subordinated Note due 2014 \$ 978,261 10/30/06 Warrant, exercisable until 2014, to purchase preferred stock at \$.01 per share (B) 26 shs. 10/30/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 18 shs. 10/30/06 DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) 13.57% int. 08/27/98 Preferred Stock (B) 1.293 shs. 12/14/01 Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) 6,676 shs. * * 10/24/96 and 08/28/98. DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Gommon stock (B) 102,857 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 3,656 shs. * Warrant, exercisable until 2014, to purchase common stock (B) 3,656 shs. *	common stock at \$.01 per share (B)	28 shs.	10/27/09
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Limited Partnership Interest (B) 0.97% int. 10/30/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 26 shs. 10/30/06 DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) 13.57% int. 08/27/98 Preferred Stock (B) 1.293 shs. 12/14/01 Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) 6,676 shs. * * 10/24/96 and 08/28/98. DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Uarrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 Warrant, exercisable until 2011, to purchase common stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03		\$ 978,261	10/30/06
preferred stock at \$.01 per share (B)26 shs.10/30/06Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)18 shs.10/30/06DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B)13.57% int.08/27/98Preferred Stock (B)1,293 shs.12/14/01Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)6,676 shs.** 10/24/96 and 08/28/98.*DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Subordinated Note due 2013\$ 231,42911/01/0613% Senior Subordinated Note due 2014\$ 488,57211/01/06Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)32,294 shs.11/01/06DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B)3,656 shs.*Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)1,077 shs.10/30/03	Limited Partnership Interest (B)		
<pre>Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 18 shs. 10/30/06 DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diverso Investments Ltd. LLC (B) 13.57% int. 08/27/98 Preferred Stock (B) 1,293 shs. 12/14/01 Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) 6,676 shs. * * 10/24/96 and 08/28/98. DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Scuberd Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Common Stock (B) 102,857 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03</pre>			10/00/06
common stock at \$.01 per share (B)18 shs.10/30/06DIVERSCO, INC./DHI HOLDINGS, INC. A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B)13.57% int.08/27/98Preferred Stock (B)1,293 shs.12/14/01Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)6,676 shs.** 10/24/96 and 08/28/98.DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% senior Subordinated Note due 2013\$ 231,42911/01/0613% Senior Subordinated Note due 2014\$ 488,57211/01/06Common stock (B)102,857 shs.11/01/06Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)3,656 shs.*WYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B)3,656 shs.*Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)1,077 shs.10/30/03		26 shs.	10/30/06
A contract provider of janitorial and equipment maintenance services and temporary production la Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) 13.57% int. 08/27/98 Preferred Stock (B) 1,293 shs. 12/14/01 Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B) 6,676 shs. * * 10/24/96 and 08/28/98. DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Common Stock (B) 102,857 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03		18 shs.	10/30/06
DUNCAN SYSTEMS, INC. A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Common Stock (B) 102,857 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03	<pre>Membership Interests of MM/Lincap Diversco Investments Ltd. LLC (B) Preferred Stock (B) Warrants, exercisable until 2011, to purchase common stock of DHI Holdings, Inc. at \$.01 per share (B)</pre>	13.57% int. 1,293 shs.	08/27/98 12/14/01
A distributor of windshields and side glass for the recreational vehicle market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 Common Stock (B) 102,857 shs. 11/01/06 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03	* 10/24/96 and 08/28/98.		
10% Senior Secured Term Note due 2013\$ 231,42911/01/0613% Senior Subordinated Note due 2014\$ 488,57211/01/06Common Stock (B)102,857 shs.11/01/06Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)32,294 shs.11/01/06DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B)3,656 shs.*Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)1,077 shs.10/30/03		mahiala markat	
13% Senior Subordinated Note due 2014\$ 488,57211/01/06Common Stock (B)102,857 shs.11/01/06Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)32,294 shs.11/01/06DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B)3,656 shs.*Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)1,077 shs.10/30/03			11/01/06
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03	13% Senior Subordinated Note due 2014	\$ 488,572	11/01/06
common stock at \$.01 per share (B) 32,294 shs. 11/01/06 DWYER GROUP, INC. A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03		102,857 shs.	11/01/06
A franchiser of a variety of home repair services. Common Stock (B) 3,656 shs. * Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B) 1,077 shs. 10/30/03		32,294 shs.	11/01/06
	A franchiser of a variety of home repair services. Common Stock (B) Warrant, exercisable until 2011, to purchase		
*10/30/03 and 01/02/04.	COMMON STOCK AT \$.01 per Share (b)	1,0// SHS.	IU/3U/03
	*10/30/03 and 01/02/04.		

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010 (Unaudited)

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
E S P HOLDCO, INC. A manufacturer of power protection technology for commercial o network. 14% Senior Subordinated Note due 2015		
Common Stock (B)	349 shs.	01/08/08
<ul> <li>E X C ACQUISITION CORPORATION</li> <li>A manufacturer of pre-filled syringes and pump systems used for Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)</li> <li>EATEM HOLDING COMPANY</li> <li>A developer and manufacturer of savory flavor systems for soup for retail and foodservice end products.</li> <li>12.5% Senior Subordinated Note due 2018</li> <li>Common Stock</li> </ul>	11 shs.	06/28/04
Warrant, exercisable until 2018, to purchase	50 5115.	02/01/10
common stock at \$.01 per share (B)	119 shs.	02/01/10
F C X HOLDINGS CORPORATION A distributor of specialty/technical valves, actuators, access high purity, and energy end markets in North America. 15% Senior Subordinated Note due 2015 Preferred Stock (B) Common Stock (B)	ories, and process i \$ 1,169,376 2,298 shs. 1,625 shs.	nstrumentation 10/06/08 10/06/08 10/06/08
F H S HOLDINGS LLC A national provider of customized disease management services 12% Senior Subordinated Note due 2014 (D) Limited Liability Company Units of Linden/FHS Holdings LLC (B) Common Unit Class B (B)	\$ 1,265,625	d employers. 06/01/06 06/01/06 06/01/06
FLUTES, INC. An independent manufacturer of micro fluted corrugated sheet m 10% Senior Secured Term Note due 2013 (D) 14% Senior Subordinated Note due 2014 (D)	aterial for the food \$ 524,791 \$ 317,177	and consumer p 04/13/06 04/13/06

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MassMutual Participation Investors

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

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
GOLDEN COUNTY FOODS HOLDING, INC.		
A manufacturer of frozen appetizers and snacks.		
16% Senior Subordinated Note due 2015	\$ 1,012,500	11/01/07
16% PIK Note due 2015	\$ 212,282	12/31/08
8% Series A Convertible Preferred Stock, convertible into		
fully diluted common shares (B)	77,643 shs.	11/01/07
H M HOLDING COMPANY		
A designer, manufacturer, and importer of promotional and woo		
7.5% Senior Subordinated Note due 2013 (D)	\$ 362,700	10/15/09
Preferred Stock (B)	21 shs.	*
Preferred Stock Series B (B)	1,088 shs.	10/15/09
Common Stock (B)	180 shs.	02/10/06
Common Stock Class C (B)	296 shs.	10/15/09
Warrant, exercisable until 2013, to purchase		00/10/06
common stock at \$.02 per share (B)	67 shs.	02/10/06
* 09/18/07 and 06/27/08.		
HIGHGATE CAPITAL LLC		
An acquirer of controlling or substantial interests in manufa	cturing and marketin	a entities
Series A Preferred Units (B)	0.30% int.	07/21/94
Series A rieferred Units (B)	0.508 1110.	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	\$ 1,081,731	*
Common Stock (B)	33 shs.	*
Warrant, exercisable until 2012, to purchase		
common stock at \$.02 per share (B)	106 shs.	*
* 06/30/04 and 08/19/04.		
HOSPITALITY MINTS HOLDING COMPANY		
A manufacturer of individually-wrapped imprinted promotional	mints.	
12% Senior Subordinated Note due 2016	\$ 1,098,837	08/19/08
Common Stock (B)	251 shs.	08/19/08
Warrant, exercisable until 2016, to purchase		
common stock at \$.01 per share (B)	65 shs.	08/19/08

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

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date
INSURANCE CLAIMS MANAGEMENT, INC.		
A third party administrator providing auto and property claim Common Stock (B) Warrant, exercisable until 2011, to purchase	administration serv: 37 shs.	ices for insuran 02/27/07
common stock at \$.01 per share (B)	11 shs.	02/27/07
INTERNATIONAL OFFSHORE SERVICES LLC A leading provider of marine transportation services, platfor shallow waters of the Gulf of Mexico.	m decomissioning, and	d salvage servic
14.25% Senior Subordinated Secured Note due 2017	\$ 1,350,000	07/07/09
Limited Liability Company Unit (B)	1,647 uts.	07/07/09
JASON, INC. A diversified manufacturing company serving various industria	l markets.	
13% Senior Subordinated Note due 2010 Limited Partnership Interest of	\$ 510,187	08/04/00
Saw Mill Capital Fund II, L.P. (B)	1.30% int.	08/03/00
Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	26,931 shs.	08/04/00
JUSTRITE MANUFACTURING ACQUISITION CO.		
A manufacturer of safety products such as storage cabinets an 12% Senior Subordinated Note due 2011	d containers. \$ 843,750	12/15/04
Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)	594 shs.	12/15/04
K H O F HOLDINGS, INC.		
A manufacturer of premium disposable tableware products servi		
14% Senior Subordinated Note due 2014 Common Stock (B)	\$ 1,295,234 116,827 shs.	10/15/07 10/15/07
K N B HOLDINGS CORPORATION		
A designer, manufacturer and marketer of products for the cus		
15.5% Senior Subordinated Note due 2013 Common Stock (B)	\$ 1,595,057 71,053 shs.	05/25/06 05/25/06
Warrant, exercisable until 2013, to purchase	43,600 shs.	
common stock at \$.01 per share (B)	43,000 8118.	05/25/06

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MassMutual Participation Investors

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

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date 
K P I HOLDINGS, INC. Pace Industries is the largest player in the U.S. non-automoti	ve, non-ferrous die	casting segment
13% Senior Subordinated Note due 2014	\$ 1,115,217	07/16/08
Convertible Preferred Stock Series C (B)	29 shs.	06/30/09
Convertible Preferred Stock Series D (B)	13 shs.	09/17/09
Common Stock (B)	235 shs.	07/15/08
Warrant, exercisable until 2018, to purchase	200 1	بە
common stock at \$.01 per share (B)	388 shs.	*
* 07/16/08 and 09/17/09.		
K W P I HOLDINGS CORPORATION		
A manufacturer and distributor of vinyl windows and patio door	s throughout the no.	rthwestern Unite
18% Senior Subordinated Note due 2014	\$ 1,488,425	03/14/07
Common Stock (B)	123 shs.	03/13/07
Warrant, exercisable until 2019, to purchase		
preferred stock at \$.01 per share (B)	71 shs.	07/07/09
Warrant, exercisable until 2017, to purchase		
common stock at \$.01 per share (B)	89 shs.	03/14/07
K-TEK HOLDING CORPORATION A manufacturer of instrumentation for liquid and bulk solids 1 14% Senior Subordinated Note due 2015 Preferred Stock (B) Common Stock (B)	evel detection for ; \$ 1,211,004 192,314 shs. 54,326 shs.	process and stor 12/20/07 12/20/07 12/20/07 12/20/07
L H D EUROPE HOLDING, INC. A non-carbonated beverage dispensing company focused on the for Common Stock (B)	od service industry 45 shs.	12/28/09
M V I HOLDING, INC.		
A manufacturer of large precision machined metal components us oil and gas, mining, and defense markets.	ed in equipment whi	ch services a va
13% Senior Subordinated Note due 2016	\$ 652,886	09/12/08
Common Stock (B)	32 shs.	09/12/08
Warrant, exercisable until 2018, to purchase		
common stock at \$.01 per share (B)	35 shs.	09/12/08
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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) March 31, 2010 (Unaudited)

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
<pre>MAIL COMMUNICATIONS GROUP, INC. A provider of mail processing and handling services, lettersho 12.5% Senior Subordinated Note due 2014 Limited Liability Company Unit (B) Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) * 05/04/07 and 01/02/08. MANHATTAN BEACHWEAR HOLDING COMPANY A designer and distributor of women's swimwear. 12.5% Senior Subordinated Note due 2018</pre>	p services, and comm \$ 516,177 12,763 uts. 1,787 shs. \$ 882,353	nercial printing 05/04/07 * 05/04/07 01/15/10
Common Stock (B) Warrant, exercisable until 2019, to purchase	118 shs.	01/15/10
common stock at \$.01 per share (B)	104 shs.	01/15/10
<pre>MAVERICK ACQUISITION COMPANY A manufacturer of capsules that cover the cork and neck of win 6.79% Senior Secured Tranche A Note due 2010 (C) 12.5% Senior Secured Tranche B Note due 2011 6.75% Senior Secured Revolver due 2011 (C) Limited Partnership Interest (B) Warrant, exercisable until 2011, to purchase common stock at \$.01 per share (B)</pre>	e bottles. \$ 128,230 \$ 179,104 \$ 29,105 4.48% int. 243 shs.	09/03/04 09/03/04 09/03/04 09/03/04
MEDSYSTEMS HOLDINGS LLC A manufacturer of enteral feeding products, such as feeding tu 13% Senior Subordinated Note due 2015 Preferred Unit (B) Common Unit Class A (B) Common Unit Class B (B)	bes and other product \$ 617,585 66 uts. 671 uts. 250 uts.	ts related to a 08/29/08 08/29/08 08/29/08 08/29/08
<pre>MEGTEC HOLDINGS, INC. A supplier of industrial and environmental products and servic 12% Senior Subordinated Note due 2016 Preferred Stock (B) Limited Partnership Interest (B) Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)</pre>	es to a broad array \$ 1,144,068 56 shs. 0.74% int. 18 shs.	of industries. 09/24/08 09/24/08 09/16/08 09/24/08

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MassMutual Participation Investors CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

March 31, 2010 (Unaudited)

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
MICROGROUP, INC. A manufacturer of precision parts and assemblies, and a value- 12% Senior Subordinated Note due 2013 (D) Common Stock (B)	\$ 1,421,795	al tubing and * *
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B)	238 shs. 87 shs.	*
*08/12/05 and 09/11/06.		
MILWAUKEE GEAR COMPANY A manufacturer of high-precision custom gears and gear drives	used by original equi	pment manufact
industries. 13% Senior Subordinated Note due 2014	\$ 1,246,154	07/21/08
Preferred Stock (B)	139 shs.	07/21/08
Common Stock (B)	9 shs.	07/21/08
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	6 shs.	07/21/08
<pre>MOMENTUM HOLDING CO. A designer and supplier of upholstery fabric to commercial fur Limited Partnership Interest (B) Warrant, exercisable until 2014, to purchase    common stock at \$.02 per share (B)</pre>	niture manufacturers 11.24% int. 586 shs.	
MONESSEN HOLDING CORPORATION		
A designer and manufacturer of a broad line of gas, wood, and 14% Senior Subordinated Note due 2014 (D)	\$ 1,350,000	
14% PIK Note due 2014 (D)	\$ 419,713	07/25/08
Warrant, exercisable until 2014, to purchase	01	00/01/06
common stock at \$.02 per share (B)	81 shs.	03/31/06
NABCO, INC. A producer of explosive containment vessels in the United Stat	es.	
14% Senior Subordinated Note due 2014 Limited Liability Company Unit (B)	\$ 330,882 437 uts.	02/24/06
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	68 shs.	02/24/06
* 02/24/06 and 06/22/07.		

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) March 31, 2010  $\end{tabular}$ 

(Unaudited)

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
NAVIS GLOBAL A designer, manufacturer, seller and servicer of finishing mac		and woven seame
A designer, manufacturer, seller and servicer of finishing mac 12% Senior Secured Term Note Series A due 2010	\$ 16,854	and woven segme 11/14/08
14% Senior Subordinated Note due 2014 (D)	\$ 764,921	05/28/04
10.75% Senior Secured Note due 2011 (D)	\$ 348,118	05/28/04
NESCO HOLDINGS CORPORATION A sales and leasing company that provides equipment to the ele	etric utility, telec	communications,
12% Senior Secured Subordinated Note due 2015	\$ 1,125,000	08/02/07
Common Stock (B)	225,000 shs.	08/02/07
Warrant, exercisable until 2015, to purchase		
common stock at \$.01 per share (B)	63,191 shs.	08/02/07
NETSHAPE TECHNOLOGIES, INC. A manufacturer of powder metal and metal injection molded pred 12% Senior Subordinated Note due 2014 Limited Partnership Interest of Saw Mill PCG Partners LLC (B) Limited Liability Company Unit Class D of Saw Mill PCG Partners LLC (B) Limited Liability Company Unit Class D- 1 of Saw Mill PCG Partners LLC (B) Preferred Stock Class A (B) Preferred Stock Class A-1 (B)	ision components use \$ 810,000 1.38% int. 8 uts. 43 uts. 1 sh. 4 shs.	ed in industrial 02/02/07 02/01/07 * 09/30/09 12/18/08 09/30/09
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)	48 shs.	02/02/07
<pre>* 12/18/09 and 09/30/09. NORTHWEST MAILING SERVICES, INC. A producer of promotional materials for companies that use dir 12% Senior Subordinated Note due 2016 Limited Partnership Interest (B) Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B)</pre>	<pre>rect mail as part of \$ 1,207,895 1,421, uts. 1,852 shs.</pre>	their customer 07/09/09 07/09/09 07/09/09
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MassMutual Parti CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) March 31, 2010 (Unaudited)	cipation Investors	

Principal Amount

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage		or Ownership Acqui d) Percentage Da		or Ownership Acquisitio	
NYLONCRAFT, INC.						
A supplier of engineered plastic components for the automotiv	ve industry.					
10% Senior Secured Note due 2012	\$ 464,286	01/28/02				
15% Senior Subordinated Note due 2012 (D)	\$ 285,714	01/28/02				
Convertable Preferred Stock A (B)	571 shs.	01/28/02				
Common Stock (B)	178,571 shs.	01/28/02				
Warrant, exercisable until 2012, to purchase						
common stock at \$.01 per share (B)	138,928 shs.	01/28/02				
OAKRIVER TECHNOLOGY, INC. Designs, engineers and assembles high precision automated pro	ocess equipment for th	he medical devic				
defibrillators and stents. 10% Senior Secured Note due 2012		01/02/06				
	\$ 83,264 \$ 392,709	01/03/06				
13% Senior Subordinated Note due 2013 Common Stock (B)	\$ 392,709 184,176 shs.	01/03/06 01/03/06				
Warrant, exercisable until 2013, to purchase	104,170 5115.	01/03/00				
common stock at \$.01 per share (B)	43,073 shs.	01/03/06				
OLYMPIC SALES, INC. A boat retailer in Washington state, Oregon, California and B 12% Senior Subordinated Note due 2010 (D) 12% Senior Subordinated Note due 2010 (D)	British Columbia. \$ 511,000 \$ 244,154	08/07/98 02/09/00				
ONTARIO DRIVE & GEAR LTD. A manufacturer of all-wheel drive, off-road amphibious vehicl Limited Liability Company Unit (B) Warrant, exercisable until 2013, to purchase common stock at \$.01 per share (B)	es and related acces: 1,942 uts. 328 shs.	sories. 01/17/06 01/17/06				
P A S HOLDCO LLC An independent provider of maintenance, repair and overhaul s 14% Senior Subordinated Note due 2014 Preferred Unit (B) Preferred Unit (B) Common Unit Class I (B) Common Unit Class L (B)	services to the aeros \$ 1,236,634 202 uts. 36 uts. 78 uts. 17 uts.	pace gas turbine 07/03/06 07/03/06 07/03/06 07/03/06 07/03/06				

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

Principal Amount

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Shares, Units or Ownership Percentage	Acquisition Date
P I I HOLDING CORPORATION		
A manufacturer of plastic film and bags for the general industr 12% Senior Subordinated Note due 2013 Preferred Stock (B)	\$ 1,215,000	03/31/06 03/31/06
Common Stock (B) Warrant, exercisable until 2013, to purchase	12 shs.	03/31/06
common stock at \$.01 per share (B)	7 shs.	03/31/06
PACIFIC CONSOLIDATED HOLDINGS LLC		
A manufacturer of rugged, mobile liquid and gaseous oxygen and and medical sectors.	nitrogen generating	systems used i
14% Senior Subordinated Note due 2012	\$ 704,835	04/27/07
Limited Liability Company Unit (B)	928,962 uts.	04/27/07
PARADIGM PACKAGING, INC.		
A manufacturer of plastic bottles and closures for the nutritio 12% Senior Subordinated Note due 2011 Membership Interests of MM/Lincap	nal, pharmaceutical, \$ 1,125,000	-
PPI Investments, Inc., LLC (B)	1.28% int.	12/21/00
PEARLMAN ENTERPRISES, INC.		
A developer and distributor of tools, equipment and supplies to	-	
Preferred Stock Series A (B) Preferred Stock Series B (B)	1,236 shs. 7,059 shs.	05/22/09 05/22/09
Common Stock (B)	21.462 shs.	05/22/09
POSTLE ALUMINUM COMPANY LLC		
A manufacturer and distributor of aluminum extruded products.		
3% Senior Subordinated PIK Note due 2014 (D) Limited Liability Company Unit Class A	\$ 1,163,700 733 uts.	10/02/06 10/02/06
Limited Liability Company Unit	76 uts.	05/22/09
Warrant, exercisable until 2016, to purchase common stock at \$.01 per share (B)	4,550 shs.	10/02/06
20		
MassMutual Partic CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) March 31, 2010 (Unaudited)	ipation Investors	
	Principal Amount	

Principal Amount Shares, Units or Ownership Acquisition

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
POWER SERVICES HOLDING COMPANY A provider of industrial motor repair services, predictive	and proventative mainte	nango and norf
serving the petrochemical, mining, power generation, metal		
12% Senior Subordinated Note due 2016	\$ 1,255,814	02/11/08
Limited Partnership Interest (B)	12.55% int.	02/11/08
Warrant, exercisable until 2016, to purchase	12.000 100.	02/11/00
common stock at \$.01 per share (B)	700 shs.	02/11/08
PRECISION WIRE HOLDING COMPANY A manufacturer of specialty medical wires that are used in	non-elective minimally	invasive surgio
14.25% Senior Subordinated Note due 2016	\$ 1,357,886	
Warrant, exercisable until 2019, to purchase	\$ 1,557,660	11/12/09
common stock at \$.01 per share (B)	109 shs.	11/12/09
continon stock at \$.01 per share (B)	109 5115.	11/12/09
QUALIS AUTOMOTIVE LLC A distributor of aftermarket automotive brake and chassis	products.	
13% Senior Subordinated Note due 2012	\$ 922,612	05/28/04
Common Stock (B)	187,500 shs.	05/28/04
Warrant, exercisable until 2012, to purchase		
common stock at \$.01 per share (B)	199,969 shs.	05/28/04
RAJ MANUFACTURING HOLDINGS LLC A designer and manufacturer of women's swimwear sold unde: 14.5% Senior Subordinated Note due 2014 Limited Liability Company Unit (B) Warrant, exercisable until 2014, to purchase	\$ 1,288,627 1,497 uts.	12/15/06 12/15/06
common stock at \$.01 per share (B)	2 shs.	12/15/06
R E I DELAWARE HOLDING, INC.		
An engineer and manufacturer of highly complex, close tole primarily for aerospace, medical and defense/radar markets	_	lies, tooling a
12% Senior Subordinated Note due 2016	\$ 1,350,000	01/18/08
Warrant, exercisable until 2018, to purchase		
common stock at \$.01 per share (B)	3 shs.	01/18/08
ROYAL BATHS MANUFACTURING COMPANY A manufacturer and distributor of acrylic and cultured ma 12.5% Senior Subordinated Note due 2011	rble bathroom products. \$ 562,500	11/14/03
Warrant, exercisable until 2011, to purchase		
common stock at \$.01 per share (B)	74 shs.	11/14/03

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CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED)

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March 31, 2010 (Unaudited)

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership SECURITIES: (A) (Continued) Percentage		Acquisition Date	
SAFETY SPEED CUT MANUFACTURING COMPANY, INC. A manufacturer of vertical panel saws and routers for the wood Class B Common Stock (B)	. work	ing industry. 846 shs.	06/02/99	
SAVAGE SPORTS HOLDING, INC. A manufacturer of sporting firearms. 12% Senior Subordinated Note due 2012 Common Stock (B) Warrant, exercisable until 2012, to purchase	\$	814,655 324 shs.	09/10/04 *	
common stock at \$.01 per share (B)		71 shs.	09/10/04	
* 09/10/04 and 10/05/07.				
A designer, manufacturer, and marketer of decoders, receivers	and m	odulators sold t	o broadcasters	
operators for encoding/decoding analog and digital transmissio				
12.5% Senior Subordinated Note due 2014	\$	934,615	01/15/09	
Common Stock (B)		69 shs.	01/15/09	
Warrant, exercisable until 2019, to purchase common stock at \$.01 per share (B)		149 shs.	01/15/09	
SMART SOURCE HOLDINGS LLC A short-term computer rental company. 12% Senior Subordinated Note due 2015	Ş	1,176,924	*	
Limited Liability Company Unit (B)		328 uts.	*	
Warrant, exercisable until 2015, to purchase			. de	
common stock at \$.01 per share (B)		83 shs.	*	
* 08/31/07 and 03/06/08.				
SPARTAN FOODS HOLDING COMPANY				
A manufacturer of branded pizza crusts and pancakes. 12.5% Senior Subordinated Note due 2017	\$	1,012,500	12/15/09	
Warrant, exercisable until 2018, to purchase		126 aba	10/15/00	
common stock at \$.01 per share (B)		136 shs.	12/15/09	
SPECIALTY COMMODITIES, INC.				
A distributor of specialty food ingredients. 13.25% Senior Subordinated Note due 2016	Ś	1,212,720	10/23/08	
Common Stock (B)		5,882 shs.	10/23/08	
Warrant, exercisable until 2018, to purchase				
common stock at \$.01 per share (B)		5,852 shs.	10/23/08	

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

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
STANTON CARPET HOLDING CO.	amote and muce	
A designer and marketer of high and mid-priced decorative c 12.13% Senior Subordinated Note due 2014	\$ 1,185,366	08/01/06
Common Stock (B)	165 shs.	08/01/06
Warrant, exercisable until 2014, to purchase		
common stock at \$.02 per share (B)	55 shs.	08/01/06
SUNDANCE INVESTCO LLC		
A provider of post-production services to producers of movi		
Limited Liablility Company Unit Class A	3,405 shs.	03/31/10
SYNTERACT HOLDINGS CORPORATION		
A provider of outsourced clinical trial management services	to pharmaceutical and	biotechnology c
4% Senior Subordinated Note due 2016	\$ 1,371,709	09/02/08
Redeemable Preferred Stock Series A (B)	678 shs.	09/02/08
Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)	6,778 shs.	09/02/08
Common stock at 9.01 per snare (b)	0,770 5115.	03/02/00
T H I ACQUISITION, INC. A machine servicing company providing value-added steel ser	wices to long steel pr	aduat a
12% Senior Subordinated Note due 2016 Warrant, exercisable until 2016, to purchase	\$ 1,350,000	01/14/08
common stock at \$.01 per share (B)	5 shs.	01/14/08
-		
TANGENT RAIL CORPORATION		, . ,
A manufacturer of rail ties and provider of specialty servi 13% Senior Subordinated Note due 2015	ces to the North Americ \$ 1,173,909	
Common Stock (B)	1,167 shs.	10/14/05
Warrant, exercisable until 2015, to purchase		
common stock at \$.01 per share (B)	631 shs.	09/30/08
TELECORPS HOLDINGS, INC.		
A provider of equipment and services to producers of televi	sion shows and motion p	pictures.
12.75% Senior Subordinated Note due 2016	\$ 1,681,677	*
Common Stock (B)	143 shs.	09/02/09
Warrant, exercisable until 2019, to purchase	4,187 shs.	*
common stock at \$.01 per share (B)	4,10/ 5115.	
* 05/20/09 and 09/02/09.		

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

Shar or Pe	res, Units Ownership ercentage	Acquisition Date 
		, permitting, nu
\$	664,062	*
	781,483	*
\$	826	*
2	2.27% int.	* *
	41 shs.	04/28/06
eere	d drywells for	the retention
\$	1,185,366	10/26/07
	219 shs.	10/26/07
\$	486,487	03/02/07 03/02/07
-	-	10/21/07
Ş		10/31/07 10/31/07
	110 5115.	10/31/07
	50 shs.	10/31/07
Ş	918,000 571 shs. 46 shs.	08/31/05 * 08/31/05
	Shar or Pe  s s s 2 2 eeere \$ s gift s	<pre>\$ 781,483 \$ 826 2.27% int. 41 shs. eered drywells for \$ 1,185,366 219 shs. d gas industry. \$ 486,487 \$ 341,971 gift products. \$ 938,651 110 shs. 50 shs. \$ 918,000 571 shs.</pre>

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MassMutual Parti CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) March 31, 2010 (Unaudited)	cipation Investors	
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Acquisition Date 	
TRANZONIC COMPANIES (THE) A producer of commercial and industrial supplies, such as safe supplies and sanitary care products.	ety products, janito:	rial supplies, w
13% Senior Subordinated Note due 2010	\$ 1,356,000	02/05/98
Common Stock (B)	315 shs.	02/04/98
Warrant, exercisable until 2010, to purchase		
common stock at \$.01 per share (B)	222 shs.	02/05/98
TRUCK BODIES & EQUIPMENT INTERNATIONAL A designer and manufacturer of accessories for heavy and mediu bodies, landscape bodies and other accessories. 16% Senior Subordinated Note due 2010 (D) Preferred Stock Series B (B)	\$ 1,222,698 128 shs.	* 10/20/08
Common Stock (B)	393 shs.	*
Warrant, exercisable until 2013, to purchase common stock at \$.02 per share (B) Warrant, exercisable until 2018, to purchase	81 shs.	*
common stock at \$.01 per share (B)	558 shs.	10/20/08
* 07/19/05 and 12/22/05.		
TRUSTILE DOORS, INC. A manufacturer and distributor of interior doors. Warrant, exercisable until 2010, to purchase common stock at \$.01 per share (B)	3,060 shs.	04/11/03
control become at the per bhare (b)	3,000 5110.	01/11/00
U M A ENTERPRISES, INC. An importer and wholesaler of home decor products. 15% Senior Subordinated Note due 2015 Convertible Preferred Stock (B)	\$ 938,797 470 shs.	02/08/08 02/08/08
<pre>U-LINE CORPORATION A manufacturer of high-end, built-in, undercounter ice making, 14.5% Senior Subordinated Note due 2012 14.5% PIK Note due 2012 Common Stock (B) Warrant, exercisable until 2012, to purchase common stock at \$.01 per share (B)</pre>	wine storage and re \$ 996,500 \$ 139,125 96 shs. 122 shs.	efrigeration app 04/30/04 10/06/09 04/30/04 04/30/04

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

	Principal Amount Shares, Units or Ownership	Acquisition
CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Percentage	Date
VISIONEERING, INC.		
A designer and manufacturer of tooling and fixtures for the a 10.5% Senior Secured Term Loan due 2013	\$ 458,824	05/17/07
13% Senior Subordinated Note due 2014	\$ 370,588	05/17/07
18% PIK Convertable Preferred Stock (B)	21,361 shs.	03/13/09
Common Stock (B)	70,588 shs.	05/17/07
Warrant, exercisable until 2014, to purchase		00/1./0
common stock at \$.01 per share (B)	20,003 shs.	05/17/07
	20,000 5.00.	00/1/,0/
VITEX PACKAGING GROUP, INC.		
A manufacturer of specialty packaging, primarily envelopes an	d tags used on tea ba	gs.
10% Senior Subordinated PIK Note due 2011 (D)	\$ 85,308	07/19/04
5% Senior Subordinated PIK Note due 2011 (D)	\$ 450,000	06/30/07
Class B Unit (B)	406,525 uts.	10/29/09
Class C Unit (B)	450,000 uts.	10/29/09
Limited Liability Company Unit Class A (B)	383,011 uts.	*
Limited Liability Company Unit Class B (B)	96,848 uts.	07/19/04
* 07/19/04 and 10/29/09.		
WAGGIN' TRAIN HOLDINGS LLC		
A producer of premium quality meat dog treats.		
14% Senior Subordinated Note due 2014	\$ 1,180,960	11/15/07
Limited Liability Company Unit Class B (B)	224 uts.	11/15/07
Limited Liability Company Unit Class C (B)	224 uts.	11/15/07
WALLS INDUSTRIES, INC.		
A provider of branded workwear and sporting goods apparel.		
Limited Partnership Interest (B)	0.20% int.	07/12/04
Common Stock (B)	2,133 shs.	12/21/07
WELLBORN FOREST HOLDING CO.		
A manufacturer of semi-custom kitchen and bath cabinetry.		
14.13% Senior Subordinated Note due 2014	\$ 911,250	11/30/06
Common Stock (B)	101 shs.	11/30/06
Warrant, exercisable until 2014, to purchase		
common stock at \$.01 per share (B)	51 shs.	11/30/06

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

CORPORATE RESTRICTED SECURITIES: (A) (Continued)	Principal Amount Shares, Units or Ownership Percentage	Acquisition Date 
WORKPLACE MEDIA HOLDING CO.		
A direct marketer specializing in providing advertisers with		1
13% Senior Subordinated Note due 2015	\$ 613,692	05/14/07
Limited Partnership Interest (B) Warrant, exercisable until 2015, to purchase	12.26% int.	05/14/07
common stock at \$.02 per share (B)	47 shs.	05/14/07
XALOY SUPERIOR HOLDINGS, INC.		
A provider of melt processing components and ancillary equip	ment for both plastic	injection moldi
15.5% Senior Subordinated Note due 2015 (D)	\$ 1,229,741	09/08/08
Common Stock (B)	150 shs.	09/08/08

TOTAL PRIVATE PLACEMENT INVESTMENTS (E)

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

CORPORATE RESTRICTED SECURITIES:(A)(Continued)	Interest Rate	Due Date	Shares or Principal Amount	Cost
RULE 144A SECURITIES - 3.76%:				
BONDS - 3.76%				
ACCO Brands Corporation	10.625%	03/15/15	\$ 45,000	\$ 44,36
Advanced Micro Devices, Inc.	8.125	12/15/17	190,000	180,51
Appleton Papers, Inc.	11.250	12/15/15	252,000	250,00
Avis Budget Car Rental LLC	9.625	03/15/18	40,000	39,45
Cenveo Corporation	10.500	08/15/16	45,000	45,00
Coffeyville Resources LLC	9.000	04/01/15	70,000	69,65

12.500 8.250 7.750 9.750 10.500 9.375	10/01/15 04/01/20 01/15/12 03/01/18 06/01/11	670,000 15,000 485,000 375,000 358,000	367,42
7.750 9.750 10.500	01/15/12 03/01/18 06/01/11	485,000 375,000	461,64 367,42
9.750 10.500	03/01/18 06/01/11	375,000	367,42
10.500	06/01/11		
		358,000	
9.375			343,94
	11/15/17	60,000	59,14
11.375	11/01/14	45,000	,
12.000	01/15/15	100,000	96,45
			4,084,68
		194	17
			17
		26	1,03
			1,03
		292	1,06
			1,06
			4,086,96
			\$119,820,41
	8.625 8.250 8.000 8.250 7.875 9.250 8.000 12.000	8.25011/15/198.00011/01/178.25004/15/177.87506/15/179.25011/01/178.00003/01/18	8.250       11/15/19       45,000         8.000       11/01/17       100,000         8.250       04/15/17       500,000         7.875       06/15/17       500,000         9.250       11/01/17       200,000         8.000       03/01/18       10,000         12.000       01/15/15       100,000         194

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I CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUE) March 31, 2010 (Unaudited)	MassMutual Pa D)	rticipation	Investors	
CORPORATE PUBLIC SECURITIES - 15.19%: (A)	Interest Rate	Due Date	Principal Amount	Cost
BONDS - 14.62%	0.000%	11/20/14	¢ 25.000 ¢	24 25

Affinia Group, Inc.9.000%11/30/14\$25,000\$24,25Allegheny Technologies, Inc.9.37506/12/19500,000521,41Allied Waste NA7.12505/15/16500,000506,23American General Finance Corporation6.50009/15/17250,000215,000C R H America, Inc.5.30010/15/13500,000418,43

Centurytel, Inc.	5.000	02/15/15	500,000	516,3
Citigroup, Inc.	5.500	04/11/13	500,000	437,8
Cytec Industries, Inc.	8.950	07/01/17	600,000	603,8
Equifax, Inc.	4.450	12/01/14	500,000	518,2
Exide Corporation	10.500	03/15/13	250,000	252 <b>,</b> 6
Gencorp, Inc.	9.500	08/15/13	130,000	130,0
General Electric Capital Corporation	5.500	01/08/20	500,000	498,0
Goldman Sachs Group, Inc.	4.750	07/15/13	500,000	418,6
Goodyear Tire & Rubber Co.	10.500	05/15/16	50,000	48,1
Intelsat Jackson Holdings	9.250	06/15/16	690,000	714,1
International Game Technology	7.500	06/15/19	500,000	499,73
International Lease Finance Corporation	5.875	05/01/13	500,000	448,1
Iron Mountain, Inc.	8.750	07/15/18	500,000	512,6
Johnson Controls, Inc.	5.500	01/15/16	500,000	398,1
Manitowoc Company, Inc.	7.125	11/01/13	100,000	100,0
Markwest Energy Operating Co.	6.875	11/01/14	35,000	27,7
Masco Corporation	7.125	03/15/20	350,000	349,9
Morgan Stanley	5.500	01/26/20	500,000	497,3
Nortek, Inc.	11.000	12/01/13	100,444	98,9
Owens Corning, Inc.	9.000	06/15/19	30,000	29,5
Qwest Diagnostic, Inc.	4.750	01/30/20	500,000	498,6
Rental Service Corporation	9.500	12/01/14	175,000	175,6
Sheridan Acquisition Corporation	10.250	08/15/11	225,000	222,0
Speedway Motorsports, Inc.	8.750	06/01/16	35,000	33,9
Sprint Capital Corporation	6.900	05/01/19	440,000	405,2
Stewart & Stevenson LLC	10.000	07/15/14	735,000	754,8
Teck Resources Ltd.	10.750	05/15/19	30,000	28,5
Texas Industries, Inc.	7.250	07/15/13	35,000	35,0
The Valspar Corporation	7.250	06/15/19	500,000	501,4
Ticketmaster Entertainment, Inc.	10.750	07/28/16	250,000	250,0
Time Warner Cable, Inc.	5.000	02/01/20	500,000	489,7
Titan International, Inc.	8.000	01/15/12	70,000	70,0
Tube City IMS Corporation	9.750	02/01/15	1,000,000	989,4