MASSMUTUAL PARTICIPATION INVESTORS Form N-Q November 29, 2011

#### 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

(Exact name of registrant as specified in charter)

1500 Main Street, Springfield, MA 01115

(Address of principal executive offices) (Zip code)

Christopher A. DeFrancis, 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: 09/30/11

### ITEM 1. SCHEDULE OF INVESTMENTS.

CONSOLIDATED SCHEDULE OF INVESTMENTS September 30, 2011 (Unaudited)

Corporate Restricted Securities - 89.13%: (A)	Shares,	r Ownership	Acquisition Date	Cost	Fair Value
Private Placement Investments - 87.18%					
A E Company, Inc. A designer and manufacturer of machine industries. 11% Senior Secured Note due	d parts ar	nd assembly structur	es for the comm	ercial and militar	y aerospace
2015 13% Senior Subordinated Note	\$	715,384	*	\$ 704,586	\$ 737,696
due 2016 Common Stock (B) Warrant, exercisable until 2019, to purchase	\$ 184,61	807,693 5 shs.	11/10/09 11/10/09	737,874 184,615	830,512 102,129
common stock at \$.01 per share (B) * 11/10/09 and 11/18/09.	92,308	shs.	11/10/09	68,566 1,695,641	51,065 1,721,402
A H C Holding Company, Inc. A designer and manufacturer of boilers a commercial sector.	nd water	heaters for the			
15% Senior Subordinated Note due 2015 Limited Partnership Interest (B)	\$ 12.26%	1,383,751 int.	11/21/07 11/21/07	1,365,715 119,009 1,484,724	1,383,751 175,683 1,559,434
A S A P Industries LLC A designer and manufacturer of component natural gas wells. 12.5% Senior Subordinated Note	ents used	on oil and			
due 2015 Limited Liability Company Unit	\$	450,500	12/31/08	407,442	455,005
Class A-2 (B)	676 uts		12/31/08	74,333	280,749
Limited Liability Company Unit Class A-3 (B)	608 uts		12/31/08	66,899 548,674	252,677 988,431

A S C Group, Inc.

A designer and manufacturer of high reliability encryption equipment, communications products, computing systems and electronic components primarily for the military and aerospace sectors. 12.75% Senior Subordinated Note due 2016 \$ 1,227,273 10/09/09 1,083,689 1,251,818

Limited Liability Company Unit Class A (B) Limited Liability Company Unit Class B (B) * 10/09/09 and 10/27/10.	2,186 uts. 1,473 uts.	* 10/09/09	214,793 144,716 1,443,198	288,287 194,257 1,734,362
A W X Holdings Corporation A provider of aerial equipment rental, sales and repair	services to non-reside	ential construct	ion and maint	enance
contractors operating in the State of Indiana. 10.5% Senior Secured Term Note due 2014 (D)	\$ 420,000	05/15/08	413,944	378,000
13% Senior Subordinated Note due 2015 (D)	\$ 420,000	05/15/08	384,627	-
Common Stock (B)	60,000 shs.	05/15/08	60,000	-
Warrant, exercisable until 2015, to purchase				
common stock at \$.01 per share (B)	21,099 shs.	05/15/08	35,654	-
			894,225	378,000

### 

CONSOLIDATED SCHEDULE OF INVE September 30, 2011 (Unaudited)	ESTMEN	ITS (CONTINUED)	MassMutual P	artici	pation Investors	5	
Corporate Restricted Securities: (A) (Continued)		ipal Amount, Shares, Units or Ownership Percentage	Acquisition Date	С	ost	Fa	ir Value
Advanced Technologies Holdings A provider of factory maintenance services to industrial companies. 15% Senior Subordinated							
Note due 2013 Preferred Stock (B) Preferred Stock Series B (B)	\$ 546 s 28 sh		12/27/07 12/27/07 01/04/11	\$	1,197,693 270,000 21,600 1,489,293	\$	1,208,490 518,337 26,400 1,753,227
Aero Holdings, Inc. A provider of geospatial services to government clients. 10.5% Senior Secured Term	o corpo	rate and					
Note due 2014 14% Senior Subordinated	\$	697,500	03/09/07		692,947		714,719
Note due 2015	\$ 000 shs	720,000	03/09/07 03/09/07		674,128 150,000		720,000 248,786
share (B)	37,78	30 shs.	03/09/07		63,730 1,580,805		62,661 1,746,166
All Current Holding Company A specialty re-seller of essential ele	etrical	parts and componen	ts primarily servin	a wh	olecale distribut	ors	
12% Senior Subordinated	Jetrieur	parts and component	is primarily serving	5 ***		015.	
Note due 2015 Common Stock (B) Warrant, exercisable until 2018, to purchase common stock at \$.01 per	\$ 713 s	603,697 shs.	09/26/08 09/26/08		565,665 71,303		603,697 54,564
share (B)	507 s	shs.	09/26/08		46,584 683,552		38,799 697,060
American Hospice Management Holding LLC A for-profit hospice care provider in the United States.							
r	\$	1,687,503	*		1,649,773		1,687,503

12% Senior Subordinated						
Note due 2013						
Preferred Class A Unit (B)	1,706 uts.		**	17	/0,600	310,094
Preferred Class B Unit (B)	808 uts.		06/09/08	80	),789	137,390
Common Class B Unit (B)	16,100 uts.		01/22/04	1		98,288
Common Class D Unit (B)	3,690 uts.		09/12/06	-		22,527
* 01/22/04 and 06/09/08. **						
01/22/04 and 09/12/06.				1,	901,163	2,255,802
Apex Analytix Holding Corporat						
A provider of audit recovery and	fraud detection servi	ces and s	software to con	mmercial and	retail business	es in the U.S.
and Europe.						
12.5% Senior Subordinated Note	due 2014	\$	1,012,500	04/28/09	896,746	1,012,500
Preferred Stock Series B (B)		1,62	23 shs.	04/28/09	162,269	214,455
Common Stock (B)		723	shs.	04/28/09	723	95,579
					1,059,738	1,322,534

Corporate Restricted Securities: (A) (Continued)	Principal Amount, Shares, Units or Ownership Percentage	Acquisition Date	Cost	Fair Value
Arrow Tru-Line Holdings, Inc. A manufacturer of hardware for resid	lential and commercial or	verhead garage doo	rs in North America.	
12% Senior Subordinated Note				
due 2012 (D)	\$ 1,054,025	05/18/05	\$ 964,526	\$ 632,415
Preferred Stock (B)	33 shs.	10/16/09	33,224	-
Common Stock (B)	263 shs.	05/18/05	263,298	-
Warrant, exercisable until 2012,			·	
to purchase				
common stock at \$.01 per share				
(B)	69 shs.	05/18/05	59,362	-
			1,320,410	632,415
Associated Diversified Services			) ) -	, -
A provider of routine maintenance ar	nd repair services primari	ly to electric utility	companies predomina	ntly on
electric power distribution lines.	I I	5	1 1	5
10% Senior Secured Term Note				
due 2016 (C)	\$ 292,000	09/30/10	285,627	297,005
13% Senior Subordinated Note	+ _>_,			_,,,,,,,
due 2017	\$ 332,000	09/30/10	299,288	335,320
Limited Liability Company Unit				
Class B (B)	36,000 uts.	09/30/10	36,000	30,985
Limited Liability Company Unit	,			
Class B OID (B)	27,520 uts.	09/30/10	27,520	23,686
		0,700,10	648,435	686,996
			0.10,100	000,570
Barcodes Group, Inc.				
A distributor and reseller of automati	c identification and data	capture equipment.	including mobile com	puters.
scanners, point-of-sale systems, label		······································		F,
13.5% Senior Subordinated Note	, <b></b>			
due 2016	\$ 645,151	07/27/10	617,397	658,054
Preferred Stock (B)	13 shs.	07/27/10	131,496	131,500
Common Stock Class A (B)	44 shs.	07/27/10	437	49,903
Warrant, exercisable until 2020, to	11 5115.	0//2//10	107	19,900
purchase				
common stock at \$.01 per share				
(B)	8 shs.	07/27/10	76	8,660
()	5 51151	0//2//10	749,406	848,117
Bravo Sports Holding Corporation			, 12, 100	0.0,117
212.0 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	\$ 1,207,902	06/30/06	1,173,691	1,169,786
Preferred Stock Class A (B)	465 shs.	06/30/06	141,946	32,045
Common Stock (B)	1 sh.	06/30/06	152	-
Warrant, exercisable until 2014, to				
purchase				
common stock at \$.01 per share				
(B)	164 shs.	06/30/06	48,760	11,262
			1,364,549	1,213,093

CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) MassMutual Participation Investors September 30, 2011 (Unaudited)

Corporate Restricted Securities: (A) (	Continue	ed)	Principal Amount, Shares, Units or Ownership Percentage	Acquisitio Date	on	Cost	]	Fair Value
C D N T, Inc. A value-added converter and distribut	or of spe	ecialty pressure	e sensitive adh	esives.				
foams, films, and foils.	r	·····) [-····		,				
10.5% Senior Secured Term								
Note due 2014	\$	294,986		08/07/08	\$	291,727	\$	294,986
12.5% Senior Subordinated	*							
Note due 2015	\$	429,070		08/07/08		401,290		429,070
Common Stock (B)	41,86	0 shs.		08/07/08		41,860		36,560
Warrant, exercisable until 2018,								
to purchase common stock at \$.01 per share								
(B)	32 91	4 shs.		08/07/08		32,965		28,747
	52,71	- 5115.		00/07/00		767,842		789,363
Capital Specialty Plastics, Inc.						,		,
A producer of desiccant strips used for	r packag	ging						
pharmaceutical products.								
Common Stock (B)	55 sh	s.		*		252		585,849
*12/30/97 and 05/29/99.								
Clough, Harbour and Associates An engineering service firm that								
is located in Albany, NY.								
12.25% Senior Subordinated								
Note due 2015	\$	1,270,588		12/02/08		1,205,244		1,283,294
Preferred Stock (B)	147 s			12/02/08		146,594		169,444
						1,351,838		1,452,738
						, ,		, , ,
CHG Alternative Education Holding	Compan	у						
A leading provider of publicly-funded	, for pro	fit pre-K-12 ed	ducation servic	es targeting	spe	cial needs cl	nild	ren at

A leading provider of publicly-funded, for profit pre-K-12 education services targeting special needs children at therapeutic day schools and "at risk" youth through alternative education programs.

13.5% Senior Subordinated Note due				
2018	\$ 720,067	01/19/11	679,755	739,452
Common Stock (B)	375 shs.	01/19/11	37,500	35,625
Warrant, exercisable until 2021, to				
purchase				
common stock at \$.01 per share (B)	295 shs.	01/19/11	29,250	3
			746,505	775,080

Coeur, Inc.

A producer of proprietary, disposable power injection syringes. 12% Senior Subordinated Note due 2016 Common Stock (B)	\$ 642,857 321 shs.	10/10/08 10/10/08	597,204 32,143	649,285 11,806
Warrant, exercisable until 2018, to				
purchase common stock at \$.01 per share (B)	495 shs.	10/10/08	48,214 677,561	18,163 679,254
Connecticut Electric, Inc.		_		
A supplier and distributor of electrical prod	ucts sold into the retail and wholesal	e markets.		
10% Senior Subordinated Note due 2014 (D)	\$ 771,051	01/12/07	719,299	578,288
Limited Liability Company Unit Class	+		, _ , _ , , ,	
A (B)	82,613 uts.	01/12/07	82,613	-
Limited Liability Company Unit Class	50.756	01/12/07	50 756	
C (B) Limited Liability Company Unit Class	59,756 uts.	01/12/07	59,756	-
D (B)	671,525 uts.	05/03/10	-	-
Limited Liability Company Unit Class				
E (B)	1,102 uts.	05/03/10	- 861,668	- 578,288

(U)	lau	an	lea	)

		Principal Amount, Shares, Units or Ownership	Acquisition	Cont	E. V. L.
Corporate Restricted Securities: (A) (Con	ntinued)	Percentage	Date	Cost	Fair Value
Connor Sport Court International, Inc. A designer and manufacturer of outdoor other temporary flooring products.	and indoor synthetic	e sports floorii	ng and		
Preferred Stock Series B-2 (B)	9,081 shs.		07/05/07 \$	370,796	\$ 907,093
Preferred Stock Series C (B)	4,757 shs.		07/05/07	158,912	475,195
Common Stock (B)	380 shs.		07/05/07	4	-
Limited Partnership Interest (B) *08/12/04 and 01/14/05.	6.88% int.		*	103,135 632,847	- 1,382,288
CorePharma LLC A manufacturer of oral dose generic pharmaceuticals targeted at niche applications. 14.5% Senior Subordinated Note due 2016	\$ 1,382,089		08/04/05	1,382,090	1,382,089
Warrant, exercisable until 2013, to purchase	φ 1,302,009		00/04/03	1,502,090	1,502,007
common stock at \$.001 per share (B) Crane Rental Corporation A crane rental company. 13% Senior Subordinated Note due	10 shs.		08/04/05	72,617 1,454,707	294,758 1,676,847
2015 Common Stock (B) Warrant, exercisable until 2016, to purchase	\$ 1,215,000 135,000 shs.		08/21/08 08/21/08	1,128,225 135,000	1,191,268 -
common stock at \$.01 per share (B)	72,037 shs.		08/21/08	103,143 1,366,368	- 1,191,268

#### Custom Engineered Wheels, Inc.

A manufacturer of custom engineered, non-pneumatic plastic wheels and plastic tread cap tires used primarily for lawn and garden products and wheelchairs.

12.5% Senior Subordinated Note	
due 2016	\$ 1 155 288

due 2016	\$ 1,155,288	10/27/09	1,029,503	1,154,001
Preferred Stock PIK (B)	156 shs.	10/27/09	156,468	106,454
Preferred Stock Series A (B)	114 shs.	10/27/09	104,374	77,777
Common Stock (B)	38 shs.	10/27/09	38,244	-

Warrant, exercisable until 2016, to purchase common stock at \$.01 per share					
(B)	28 shs.	10/27/09	25,72	35	-
			1,354	4,324	1,338,232
Davis-Standard LLC A manufacturer, assembler, and installer conversion, and processing of plastic mat 12% Senior Subordinated Note due 2014 Limited Partnership Interest (B) Warrant, exercisable until 2014, to purcha preferred stock at \$.01 per share (B) Warrant, exercisable until 2014, to purcha common stock at \$.01 per share (B)	erials. ase	of capital equipme \$ 489,131 0.97% int. 26 shs. 18 shs.	ent that is used 10/30/06 10/30/06 10/30/06 10/30/06	in the extrusi 472,794 371,739 26,380 18,000 888,913	on, 489,131 882,274 42,027 77,272 1,490,704

#### CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) MassMutual Participation Investors September 30, 2011 (Unaudited)

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 \$ 230,130 \$ 234,818 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 459,681 488,572 Common Stock (B) 102,857 shs. 11/01/06 102,857 47,900 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 44,663 15,039 837,331 786,329 E S P Holdco, Inc. A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 1,247,004 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12,5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 11 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets instrumentation supplying a number of industributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets instrumentation supplying a number of industrial, high purity, and energy end markets instrumentation supplying a number of industrial high purity,	Corporate Restricted Securities: (A) (Conti	nued)	Principal Amount, Shares, Units or Ownership Percentage	Acquisition Date	Cost	Fair Value
market. 10% Senior Secured Term Note due 2013 \$ 231,429 11/01/06 \$ 230,130 \$ 234,818 13% Senior Subordinated Note due 2014 \$ 488,572 11/01/06 459,681 488,572 Common Stock (B) 102,857 shs. 11/01/06 424,663 15,039 Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B) 32,294 shs. 11/01/06 44,663 15,039 837,331 786,329 E S P Holdco, Inc. A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 174,701 119,095 1,424,704 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentations usuplying a number of A distributor of specialty/technical valves, actuators, accessories, and process instrumentations usuplying a number of A distributor of specialty/technical valves, actuators, accessories, and process instrumentations usuplying a number of A distributor of specialty/technical valves, actuators, accessories, and process instrumentations usuplying a number of adustrial, high purity, and energy end markets in North America.	Duncan Systems, Inc.					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	-	for the recreationa	al vehicle			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		\$	231 429	11/01/06 \$	230 130	\$ 234 818
$\begin{array}{c cccc} \mbox{Common Stock (B)} & 102,857 \mbox{ shs.} & 11/01/06 & 102,857 & 47,900 \\ \mbox{Warrant, exercisable until 2014, to purchase} \\ \mbox{common stock at $.01 per share (B)} & 32,294 \mbox{ shs.} & 11/01/06 & 44,663 & 15,039 \\ \mbox{837,331} & 786,329 \\ \mbox{E S P Holdco, Inc.} \\ \mbox{A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. \\ \mbox{14\% Senior Subordinated Note due} \\ \mbox{2015} & $ 1,266,179 & 01/08/08 & 1,250,003 & 1,266,179 \\ \mbox{Common Stock (B)} & 349 \mbox{ shs.} & 01/08/08 & 174,701 & 119,095 \\ \mbox{174,701} & 139,095 & 1,424,704 & 1,385,274 \\ \mbox{E X C Acquisition Corporation} \\ \mbox{A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery. \\ \mbox{Warrant, exercisable until 2014, to} \\ \mbox{purchase} \\ \mbox{common stock at $.01 per share (B)} & 11 \mbox{ shs.} & 06/28/04 & 40,875 & 55,861 \\ \mbox{Eatem Holding Company} \\ \mbox{A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. \\ \mbox{12,5% Senior Subordinated Note due 2018} & $ 950,000 & 02/01/10 & 839,261 & 925,729 \\ \mbox{Common Stock (B)} & $ 50 \ shs. & 02/01/10 & 50,000 & 42,633 \\ \mbox{Warrant, exercisable until 2018, to purchase} \\ \mbox{common stock at $.01 per share (B)} & 119 \ shs. & 02/01/10 & 101,655 \\ \mbox{996,361} & 1,070,017 \\ \mbox{F C X Holdings Corporation} \\ \mbox{A distributor of specially/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America. \\ \mbox{Holding Corporation} \\ \mbox{A distributor of specially/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America. \\ \mbox{Holding Corporation} \\ A distributor of specially/technical valves, actuators, accesso$			-		,	
Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)32,294 shs.11/01/0644,663 44,663 837,33115.039 786,329E S P Holdco, Inc. A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network.14%50,0031,266,17914% Senior Subordinated Note due 2015\$ 1,266,17901/08/081,250,0031,266,179Common Stock (B)349 shs.01/08/08174,701119,0951,424,7041,385,274E X C Acquisition Corporation A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery.40,87555,861Warrant, exercisable until 2014, to purchase common stock at \$.01 per share (B)11 shs.06/28/0440,87555,861Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 So shs.\$ 950,00002/01/10839,261925,729Common Stock (B)50 shs.02/01/1050,00042,633Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655 .996,3611,070,017F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.119 shs.02/01/10107,100101,655 .996,3611,070,017						
E S P Holdeo, Inc. A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 174,701 119,095 1,424,704 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.		e				·
A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 174,701 119,095 1,424,704 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	common stock at \$.01 per share (B)	32,	294 shs.	11/01/06		-
A manufacturer of power protection technology for commercial office equipment, primarily supplying the office equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 174,701 119,095 1,424,704 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	ESPHoldco Inc					
equipment dealer network. 14% Senior Subordinated Note due 2015 \$ 1,266,179 01/08/08 1,250,003 1,266,179 Common Stock (B) 349 shs. 01/08/08 174,701 119,095 1,424,704 1,385,274 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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.		logy for commerc	ial office equi	pment, primari	ly supplying th	e office
14% Senior Subordinated Note due2015\$ 1,266,179Common Stock (B)349 shs.20151,250,0032017119,0952017119,09520171,247,70420181,247,70420191,244,7042019<		8,	······································	r or or	J	
Common Stock (B)349 shs.01/08/08174,701119,095E X C Acquisition Corporation A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery.1,424,7041,385,274E X C Acquisition Corporation A manufacturer of pre-filled syringes and pump systems used for intravenous drug delivery						
1,424,7041,385,274E 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)11 shs.06/28/0440,87555,861Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018\$ 950,00002/01/10839,261925,729Common Stock (B)50 shs.02/01/1050,00042,633Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	2015	\$ 1,266,179	)	01/08/08	1,250,003	1,266,179
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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	Common Stock (B)	349 shs.		01/08/08	-	
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) 11 shs. 06/28/04 40,875 55,861 Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.					1,424,704	1,385,274
common stock at \$.01 per share (B)11 shs.06/28/0440,87555,861Eatem Holding Company A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products.12.5% Senior Subordinated Note due 2018\$ 950,00002/01/10839,261925,729Common Stock (B)50 shs.02/01/1050,00042,633Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655996,3611,070,017F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.11	A manufacturer of pre-filled syringes and p delivery. Warrant, exercisable until 2014, to	oump systems used	l for intraveno	us drug		
A developer and manufacturer of savory flavor systems for soups, sauces, gravies, and other products produced by food manufacturers for retail and foodservice end products. 12.5% Senior Subordinated Note due 2018 \$ 950,000 02/01/10 839,261 925,729 Common Stock (B) 50 shs. 02/01/10 50,000 42,633 Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B) 119 shs. 02/01/10 107,100 101,655 996,361 1,070,017 F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	•	11 shs.		06/28/04	40,875	55,861
Common Stock (B)50 shs.02/01/1050,00042,633Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655996,3611,070,017F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.	A developer and manufacturer of savory fla food manufacturers for retail and foodservi	ce end products.				
Warrant, exercisable until 2018, to purchase common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655996,3611,070,017F C X Holdings Corporation A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.						-
common stock at \$.01 per share (B)119 shs.02/01/10107,100101,655996,3611,070,017F C X Holdings CorporationA distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.			5 5115.	02/01/10	30,000	42,033
A distributor of specialty/technical valves, actuators, accessories, and process instrumentation supplying a number of industrial, high purity, and energy end markets in North America.			19 shs.	02/01/10		
	A distributor of specialty/technical valves,		-	ess instrumenta	tion supplying	a number of
	industrial, high purity, and energy end mar			10/06/08	1,207,792	1,247,455

15% Senior Subordinated Note due					
2015					
Preferred Stock Series A (B)	232 sh	S.	12/30/10	23,200	22,040
Preferred Stock Series B (B)	2,298 s	shs.	10/06/08	229,804	275,898
Common Stock (B)	1,625 s	shs.	10/06/08	1,625	-
				1,462,421	1,545,393
F F C Holding Corporation					
A leading U.S. manufacturer of private label fi	rozen novelt	y and ice cream			
products.					
16% Senior Subordinated Note due					
2017	\$	859,007	09/27/10	843,759	876,187
Limited Liability Company Units					
Preferred (B)	171 uts	5.	09/27/10	153,659	163,277
Limited Liability Company Units (B)	171 uts	S.	09/27/10	17,073	8,412
				1,014,491	1,047,876

Corporate Restricted Securities: (A) (Co	ontinue	ed)	Principal Amount, Shares, Units or Ownership Percentage	Acquisition Date	Cost	Fair Value
F G I Equity LLC A manufacturer of a broad range of filte healthcare, gas turbine, nuclear, laborat 14.25% Senior Subordinated Note		-			•	
due 2016	\$	440,340	12/15/1	0 \$	428,951	\$453,550
Limited Liability Company Unit Class B-1 (B) Limited Liability Company Unit	65,7	89 uts.	12/15/1	.0	65,789	62,500
Class B-2 (B)	8,24	8 uts.	12/15/1	0	8,248 502,988	82 516,132
F H Equity LLC A designer and manufacturer of a full lip passenger vehicles. 14% Senior Subordinated Note due 2017 Limited Liability Company Unit Class C (B)	\$	utomatic transi 507,930 5 uts.	mission filters a 12/20/1 12/20/1	0	ystems for 488,484 16,009 504,493	528,776 16 528,792
Flutes, Inc. An independent manufacturer of micro industries.	fluted	corrugated shee	et material for t	he food and co	onsumer prod	ucts packaging
10% Senior Secured Term Note due 20 14% Senior Subordinated Note due 201	• • •		\$524,791 \$317,177	04/13/06 04/13/06	519,050 290,908 809,958	498,551 - 498,551
G C Holdings A leading manufacturer of gaming ticke medical charts and supplies.	ets, ind	ustrial recordin	ig charts, securi	ity-enabled po	int-of sale rec	eipts, and
<ul><li>12.5% Senior Subordinated Note due</li><li>2017</li><li>Warrant, exercisable until 2018, to</li></ul>		\$	1,000,000	10/19/10	938,844	1,030,000
purchase common stock at \$.01 per share (B)		198 shs.		10/19/10	46,958 985,802	2 1,030,002

Golden County Foods Holding, Inc.

A manufacturer of frozen appetizers ar snacks. 16% Senior Subordinated PIK Note du	le				
2015 (D)	\$	1,012,500	11/01/07	938,215	-
16% PIK Note due 2015 (D)	\$	250,259	12/31/08	217,699	-
8% Series A Convertible Preferred					
Stock, convertible into					
common shares (B)	151,643 shs.		11/01/07	77,643	-
				1,233,557	-
H M Holding Company					
A designer, manufacturer, and importe	r of promotional and	wood furniture.			
7.5% Senior Subordinated Note due					
2013 (D)	\$	362,700	10/15/09	271,181	181,350
Preferred Stock (B)	21 shs.		*	21,428	-
Preferred Stock Series B (B)	1,088 sh	IS.	10/15/09	813,544	-
Common Stock (B)	180 shs.		02/10/06	180,000	-
Common Stock Class C (B)	296 shs.		10/15/09	-	-
Warrant, exercisable until 2013, to					
purchase					
common stock at \$.02 per share (B)	67 shs.		02/10/06	61,875	-
* 09/18/07 and 06/27/08.				1,348,028	181,350

#### CONSOLIDATED SCHEDULE OF INVESTMENTS (CONTINUED) MassMutual Participation Investors September 30, 2011 (Unaudited)

			Principal Amount, Shares, Units or Ownership	Acquisition		
Corporate Restricted Securities: (A) (	Continued)		Percentage	Date	Cost	Fair Value
Home Décor Holding CompanyA des 12.5% Senior Subordinated Note due Common Stock (B) Warrant, exercisable until 2012, to pu common stock at \$.02 per share (B) * 06/30/04 and 08/19/04.	2013	facturer and	d marketer of fr \$1,081,731 33 shs. 106 shs.	ramed art and v * * *	wall décor proc \$1,044,024 33,216 105,618 1,182,858	lucts. \$1,081,731 56,977 181,153 1,319,861
Hospitality Mints Holding Company A manufacturer of individually-wrapp promotional mints. 12% Senior Subordinated Note	bed imprinte	d				
due 2016 Common Stock (B) Warrant, exercisable until 2016, to purchase common stock at \$.01 per share	\$ 1,4 251 shs.	15,237	08/1 08/1		1,346,617 251,163	1,394,214 17,400
(B)	65 shs.		08/1	9/08	60,233 1,658,013	4,498 1,416,112
Insurance Claims Management, Inc. A third party administrator providing companies.	auto and pro	operty clain	n administration	n services for i	nsurance	
Common Stock (B)	47 shs.		02/2	7/07	1,424	206,730
International Offshore Services LLC A leading provider of marine transpor producers in the shallow waters of the 14.25% Senior Subordinated Secured Note due 2017 Limited Liability Company Unit (B)	e Gulf of Me	-	1,350,000	ng, and salvag 07/07/09 07/07/09	e services to o 1,239,258 98,833 1,338,091	il and gas 1,012,500 - 1,012,500
J A C Holding Enterprises, Inc. A supplier of luggage racks and acces manufacturers.	sories to the	original ec	quipment		-,,	_,,
<ul><li>12.5% Senior Subordinated Note due</li><li>2017</li><li>Preferred Stock A (B)</li></ul>		\$ 165 shs.	833,333	12/20/10 12/20/10	718,972 165,000	784,277 82,500

Preferred Stock B (B) Common Stock (B) Warrant, exercisable until 2020, to	0.06 shs. 33 shs.	12/20/10 12/20/10	- 1,667	- 833
purchase common stock at \$.01 per share (B)	12 shs.	12/20/10	105,643 991,282	- 867,610
Jason Partners Holdings LLC A diversified manufacturing company serving van Limited Liability Company Unit (B)	ious industrial markets. 48 uts.	09/21/10	449,086	25,511

Corporate Restricted Securities: (A)	(Continued)		Principal Amount, Shares, Units or Ownership Percentage	Acquisition Date	Cost	Fair Value
K H O F Holdings, Inc.						
A manufacturer of premium disposation consumer channels.	ble tableware	products so	erving both the	foodservice ar	nd	
Common Stock (B)	116,827 sh	S.	10/15	/07 \$	71,515 \$	6 146,698
K N B Holdings Corporation A designer, manufacturer and marke market. 15% Senior Subordinated PIK	ter of produc	ts for the cı	ustom framing			
Note due 2017	\$ 2,153		04/12		1,970,325	2,153,168
Common Stock (B) Warrant, exercisable until 2013, to purchase common stock at \$.01 per share	71,053 shs.		05/25	/06	71,053	29,966
(B)	43,600 shs.		05/25	/06	37,871 2,079,249	18,388 2,201,522
K P H I Holdings, Inc. A manufactuer of highly engineered medical, consumer and industrial, au 15% Senior Subordinated Note due	-	-	onents for a dive	erse range of e	nd-markets, in	cluding
2017		\$	887,194	12/10/10	870,853	896,459
Common Stock (B)	232,826	shs.		12/10/10	232,826 1,103,679	221,185 1,117,644
K P I Holdings, Inc. The largest player in the U.S. non-au segment. 12.75% Senior Subordinated Note d		n-ferrous d	ie casting			
2015 (D)		\$	1,301,869	07/16/08	1,222,125	1,301,870
Convertible Preferred Stock Series (B) Convertible Preferred Stock Series I		29 shs.		06/30/09	29,348	58,000
(B)		13 shs.		09/17/09	12,958	38,880
Common Stock (B)		235 shs.		07/15/08	234,783	1,837
Warrant, exercisable until 2018, to purchase						
common stock at \$.01 per share (B)		51 shs.		07/16/08	50,836	398

Warrant, exercisable until 2018, to<br/>purchase<br/>common stock at \$.01 per share (B)67 shs.09/17/09-527