

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7394987

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MILLENNIUM PHARMACEUTICALS, INC.	05/03/2021
RECEIVING PARTY DATA		
Name:	TAKEDA PHARMACEUTICALS COMPANY LIMITED	
Street Address:	1-1, DOSHOMACHI 4-CONE, CHUO-KU	
City:	OSAKA	
State/Country:	JAPAN	
Postal Code:	540-8645	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16751107
CORRESPONDENCE DATA		
Fax Number:	(617)646-8646	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	6176468000	
Email:	Jean.Ge@wolfgreenfield.com, Sharon.Lloyd@WolfGreenfield.com, MELISSA.SIMPSON@WOLFGREENFIELD.COM	
Correspondent Name:	ZHIYUN GE	
Address Line 1:	WOLF GREENFIELD & SACKS PC	
Address Line 2:	600 ATLANTIC AVENUE	
Address Line 4:	BOSTON, MASSACHUSETTS 02210	
ATTORNEY DOCKET NUMBER:	T0833.70003US02	
NAME OF SUBMITTER:	MELISSA SIMPSON	
SIGNATURE:	/Melissa Simpson/	
DATE SIGNED:	06/22/2022	
Total Attachments: 73		
source=T083370003US02-ASI-ZJG-3#page1.tif		
source=T083370003US02-ASI-ZJG-3#page2.tif		
source=T083370003US02-ASI-ZJG-3#page3.tif		
source=T083370003US02-ASI-ZJG-3#page4.tif		

source=T083370003US02-ASI-ZJG-3#page5.tif
source=T083370003US02-ASI-ZJG-3#page6.tif
source=T083370003US02-ASI-ZJG-3#page7.tif
source=T083370003US02-ASI-ZJG-3#page8.tif
source=T083370003US02-ASI-ZJG-3#page9.tif
source=T083370003US02-ASI-ZJG-3#page10.tif
source=T083370003US02-ASI-ZJG-3#page11.tif
source=T083370003US02-ASI-ZJG-3#page12.tif
source=T083370003US02-ASI-ZJG-3#page13.tif
source=T083370003US02-ASI-ZJG-3#page14.tif
source=T083370003US02-ASI-ZJG-3#page15.tif
source=T083370003US02-ASI-ZJG-3#page16.tif
source=T083370003US02-ASI-ZJG-3#page17.tif
source=T083370003US02-ASI-ZJG-3#page18.tif
source=T083370003US02-ASI-ZJG-3#page19.tif
source=T083370003US02-ASI-ZJG-3#page20.tif
source=T083370003US02-ASI-ZJG-3#page21.tif
source=T083370003US02-ASI-ZJG-3#page22.tif
source=T083370003US02-ASI-ZJG-3#page23.tif
source=T083370003US02-ASI-ZJG-3#page24.tif
source=T083370003US02-ASI-ZJG-3#page25.tif
source=T083370003US02-ASI-ZJG-3#page26.tif
source=T083370003US02-ASI-ZJG-3#page27.tif
source=T083370003US02-ASI-ZJG-3#page28.tif
source=T083370003US02-ASI-ZJG-3#page29.tif
source=T083370003US02-ASI-ZJG-3#page30.tif
source=T083370003US02-ASI-ZJG-3#page31.tif
source=T083370003US02-ASI-ZJG-3#page32.tif
source=T083370003US02-ASI-ZJG-3#page33.tif
source=T083370003US02-ASI-ZJG-3#page34.tif
source=T083370003US02-ASI-ZJG-3#page35.tif
source=T083370003US02-ASI-ZJG-3#page36.tif
source=T083370003US02-ASI-ZJG-3#page37.tif
source=T083370003US02-ASI-ZJG-3#page38.tif
source=T083370003US02-ASI-ZJG-3#page39.tif
source=T083370003US02-ASI-ZJG-3#page40.tif
source=T083370003US02-ASI-ZJG-3#page41.tif
source=T083370003US02-ASI-ZJG-3#page42.tif
source=T083370003US02-ASI-ZJG-3#page43.tif
source=T083370003US02-ASI-ZJG-3#page44.tif
source=T083370003US02-ASI-ZJG-3#page45.tif
source=T083370003US02-ASI-ZJG-3#page46.tif
source=T083370003US02-ASI-ZJG-3#page47.tif
source=T083370003US02-ASI-ZJG-3#page48.tif
source=T083370003US02-ASI-ZJG-3#page49.tif
source=T083370003US02-ASI-ZJG-3#page50.tif
source=T083370003US02-ASI-ZJG-3#page51.tif
source=T083370003US02-ASI-ZJG-3#page52.tif

source=T083370003US02-ASI-ZJG-3#page53.tif
source=T083370003US02-ASI-ZJG-3#page54.tif
source=T083370003US02-ASI-ZJG-3#page55.tif
source=T083370003US02-ASI-ZJG-3#page56.tif
source=T083370003US02-ASI-ZJG-3#page57.tif
source=T083370003US02-ASI-ZJG-3#page58.tif
source=T083370003US02-ASI-ZJG-3#page59.tif
source=T083370003US02-ASI-ZJG-3#page60.tif
source=T083370003US02-ASI-ZJG-3#page61.tif
source=T083370003US02-ASI-ZJG-3#page62.tif
source=T083370003US02-ASI-ZJG-3#page63.tif
source=T083370003US02-ASI-ZJG-3#page64.tif
source=T083370003US02-ASI-ZJG-3#page65.tif
source=T083370003US02-ASI-ZJG-3#page66.tif
source=T083370003US02-ASI-ZJG-3#page67.tif
source=T083370003US02-ASI-ZJG-3#page68.tif
source=T083370003US02-ASI-ZJG-3#page69.tif
source=T083370003US02-ASI-ZJG-3#page70.tif
source=T083370003US02-ASI-ZJG-3#page71.tif
source=T083370003US02-ASI-ZJG-3#page72.tif
source=T083370003US02-ASI-ZJG-3#page73.tif

PATENT ASSIGNMENT

WHEREAS, Millennium Pharmaceuticals, Inc., a corporation organized under the laws of the State of Delaware, and having a place of business at 40 Landsdowne Street, Cambridge, MA 02139 (the "Assignor"), is the owner of the patent(s) and application(s) identified in attached Schedule A ("the Patent(s)"); and

WHEREAS, Takeda Pharmaceutical Company Limited, a public stock corporation organized under the laws of Japan and having a place of business at 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan (the "Assignee"), is desirous of acquiring the Patent(s), and related invention(s) thereof;

NOW, THEREFORE, effective on the 3rd day of May 2021, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred and by these presents does sell, assign, and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the Patent(s), and the invention(s) disclosed and claimed therein, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any reissues, divisions, renewals, continuations in whole or in part, substitutions, conversions, reexaminations, prolongations, provisionals or extensions thereof, as well as rights to any and all existing causes of action and the right to past damages associated therewith, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patent(s) may be granted as fully and entirely as the same would have been held and enjoyed by Assignor had this sale and assignment not been made.

Assignor hereby grants the Assignee the right to update the bibliographic information found in the attached Schedule A from time to time, including but not limited to adding the patent application numbers and patent numbers for those filings that fall under the scope of the above grant, such that this Agreement can be recorded with the respective global patent offices and ministries.

Assignee hereby grants a limited power of attorney for the purpose of recording this assignment in the United States and all other countries throughout the world to the practitioners listed on the power of attorney attached herewith and further grant the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any other patent office worldwide for recordation of this document.

IN WITNESS WHEREOF, Assignor, by its duly authorized officer, has executed this assignment in Wayland, Massachusetts, USA
as of this 3rd day of May 2021.

ON BEHALF OF MILLENNIUM PHARMACEUTICALS, INC.

By: *Lillian Hiett*

Printed Name: Lillian Hiett

Title: Authorized Signatory, IP Therapeutic Area Head, Oncology

STATE OF MASSACHUSETTS

§

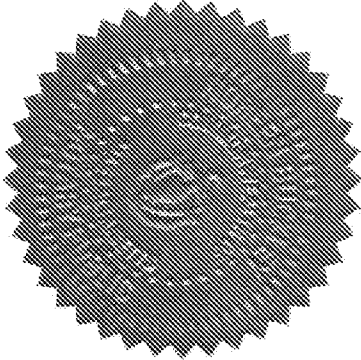
COUNTY OF MIDDLESEX

§

§

On this 3rd day of May 2021, before me, Noreen Buckley, Notary Public, personally appeared Lillian Hiett, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Noreen Buckley

Noreen Buckley

NOTARY PUBLIC

My Commission Expires: 28 September 2023



NOREEN BUCKLEY

Notary Public

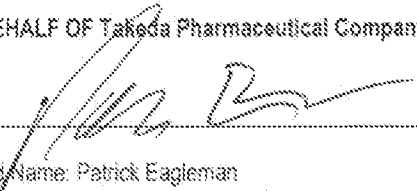
Commonwealth of Massachusetts

My Commission Expires

September 28, 2023

IN WITNESS WHEREOF, Assignee, by its duly authorized officer, has executed this assignment in Sudbury, Massachusetts, USA
as of this 3rd day of May 2021.

ON BEHALF OF Takeda Pharmaceutical Company Limited

By: 

Printed Name: Patrick Eagleman

Title: Authorized Signatory, VP Intellectual Property

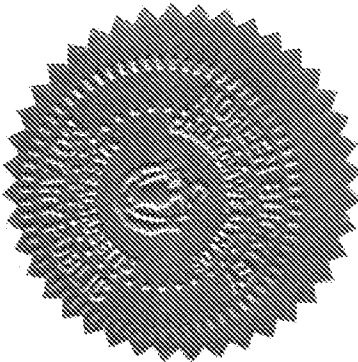
STATE OF MASSACHUSETTS

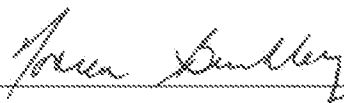
§
§
§

COUNTY OF MIDDLESEX

On this 3rd day of May 2021, before me, Noreen Buckley, Notary Public, personally appeared Patrick Eagleman, personally known to me or identified by me to be the person whose name is subscribed to the within instrument and evidenced to me that they executed the same in their authorized capacity, and that by their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.





Noreen Buckley

NOTARY PUBLIC

My Commission Expires: 28 September 2023

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP105-003P1RNAL	MP105-003	Granted	Albania	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNAL	MP106-003	Granted	Albania	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPAL01	8948	Granted	Albania	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNAL	MP112-018	Granted	Albania	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNAL	MP114-011	Granted	Albania	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP107-001P1RNDZ	MP107-001	Pending	Algeria	120180		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP111-012P1RDZ	MP111-012	Pending	Algeria	140309		11/2/2012			Millennium Pharmaceuticals, Inc.
MP112-018P1RNDZ	MP112-018	Pending	Algeria	140621		4/27/2013			Millennium Pharmaceuticals, Inc.
PAT7221DZ01	7221	Granted	Algeria	160250		9/11/2016	5562		Millennium Pharmaceuticals, Inc.
MP114-011P1RNDZ	MP114-011	Pending	Algeria	170002		6/30/2015			Millennium Pharmaceuticals, Inc.
PAT7221AR01	7221	Granted	Argentina	90560		9/9/2016	90560		Millennium Pharmaceuticals, Inc.
MP106-003P1RNAR	MP106-003	Granted	Argentina	20070100458		2/2/2007	AR059308B1		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAR	MP107-001	Pending	Argentina	20100103895		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0288

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP112-018P1RNAR	MP112-018	Pending	Argentina	20130101458		4/29/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1NAR	MP114-011	Pending	Argentina	20150102100		6/30/2015			Millennium Pharmaceuticals, Inc.
MP118-031P1AR	MP118-031	Pending	Argentina	P200100174		1/23/2020			Millennium Pharmaceuticals, Inc.
PAT7221DHDA M01	7221	Granted	Armenia	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221AU01	7221	Granted	Australia	201614896		9/2/2016	201614896		Millennium Pharmaceuticals, Inc.
MP105-003P1RNAU	MP105-003	Granted	Australia	2006210422		2/2/2006	2006210422		Millennium Pharmaceuticals, Inc.
MP106-003P1RNAU	MP106-003	Granted	Australia	2007212648		1/31/2007	2007212648		Millennium Pharmaceuticals, Inc.
MP107-013P2RNAU	MP107-013	Granted	Australia	2008305767		8/1/2008	2008305767		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAU	MP107-001	Granted	Australia	2010310545		10/22/2010	2010310545		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948PCTAU 01	8948	Granted	Australia	2011268073		6/17/2011	2011268073		Millennium Pharmaceuticals, Inc.
PAT8948PCTAU 01	8948	Granted	Australia	2011268073		6/17/2011	2011268073		Millennium Pharmaceuticals, Inc.
MP111-012P1RNAU	MP111-012	Granted	Australia	2012321106		11/2/2012	2012321106		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAUDV 1	MP107-001	Granted	Australia	2013202036		10/22/2010	2013202036		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0289

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP107-013P2RNAUDV	MP107-013	Granted	Australia	2013204601		4/12/2013	2013204601		Millennium Pharmaceuticals, Inc.
MP107-013P2RNAUDV	MP107-013	Granted	Australia	2013204618		4/12/2013	2013204618		Millennium Pharmaceuticals, Inc.
MP112-018P1RNAU	MP112-018	Granted	Australia	2013251312		4/27/2013	2013251312		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAUDV	MP107-001	Granted	Australia	2015202283		5/1/2015	2015202283		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP114-011P1RNAU	MP114-011	Granted	Australia	2015284135		6/30/2015	2015284135		Millennium Pharmaceuticals, Inc.
MP116-018P1CN	MP116-018	Pending	Australia	2017378248		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT13315PCTA U01	MP118-017	Pending	Australia	2019300852		7/9/2019			Millennium Pharmaceuticals, Inc.
MP105-003P1RNAT	MP105-003	Granted	Austria	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNAT	MP106-003	Granted	Austria	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAT	MP107-001	Granted	Austria	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPATO 1	8948	Granted	Austria	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP111-012P1RAT	MP111-012	Granted	Austria	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0290

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-018P1RNAT	MP112-018	Granted	Austria	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNAT	MP114-011	Granted	Austria	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDAZ01	7221	Granted	Azerbaijan	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221BH01	7221	Granted	Bahrain	1428		9/8/2016	1428		Millennium Pharmaceuticals, Inc.
MP112-018P1RNBH	MP112-018	Pending	Bahrain	BP150/2014		4/27/2013			Millennium Pharmaceuticals, Inc.
MP106-003P1RNBY	MP106-003	Granted	Belarus	200801784		1/31/2007	024006		Millennium Pharmaceuticals, Inc.
MP108-013P1RNBY	MP108-013	Granted	Belarus	201170508		9/25/2009	030539		Millennium Pharmaceuticals, Inc.
MP111-012P1RBY	MP111-012	Granted	Belarus	201400539		11/2/2012	028380		Millennium Pharmaceuticals, Inc.
MP106-003P1RNBVDV1	MP106-003	Granted	Belarus	201500769		1/31/2007	031335		Millennium Pharmaceuticals, Inc.
MP114-011P1RNBY	MP114-011	Granted	Belarus	201790108		6/30/2015	034119		Millennium Pharmaceuticals, Inc.
PAT7221BY01	7221	Granted	Belarus	F 20160154		9/9/2016	3710		Millennium Pharmaceuticals, Inc.
MP105-003P1RNBE	MP105-003	Granted	Belgium	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNBE	MP106-003	Granted	Belgium	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-001P1RNBE	MP107-001	Granted	Belgium	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0291

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT8948EPBE01	8948	Granted	Belgium	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP11-012P1RBE	MP11-012	Granted	Belgium	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP112-018P1RNBE	MP112-018	Granted	Belgium	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNBE	MP114-011	Granted	Belgium	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP112-018P1RNBA	MP112-018	Granted	Bosnia & Herzegovina	13782061.9	BAE03273	4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
PAT7221DHDBA01	7221	Granted	Bosnia & Herzegovina	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP107-001P1RNBR	MP107-001	Pending	Brazil	BR1120120075233		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP111-012P1RBR	MP111-012	Pending	Brazil	BR1120140106991		11/2/2012			Millennium Pharmaceuticals, Inc.
MP112-004P1RNBR	MP112-004	Pending	Brazil	BR1120140203652		2/14/2013			Millennium Pharmaceuticals, Inc.
MP112-018P1RNBR	MP112-018	Pending	Brazil	BR1120140267421		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-001P2RNBR	MP114-001	Pending	Brazil	BR1120160162897		1/13/2015			Millennium Pharmaceuticals, Inc.
MP114-011P1RNBR	MP114-011	Pending	Brazil	BR1120160307879		6/30/2015			Millennium Pharmaceuticals, Inc.
PAT13315PCTBR01	MP118-017	Pending	Brazil	BR112021000169-7		7/9/2019			Millennium Pharmaceuticals, Inc.
PAT7221BR01	7221	Granted	Brazil	BR3020160039623		9/8/2016	BR302016003962-3		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0292

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNBR	MP106-003	Pending	Brazil	PI0707493-0		1/31/2007			Millennium Pharmaceuticals, Inc.
MP108-013P1RNBR	MP108-013	Pending	Brazil	PI0919447-9		9/25/2009			Millennium Pharmaceuticals, Inc.
MP105-003P1RNBG	MP105-003	Granted	Bulgaria	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNBG	MP106-003	Granted	Bulgaria	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPBG01	8948	Granted	Bulgaria	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNBG	MP112-018	Granted	Bulgaria	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNBG	MP114-011	Granted	Bulgaria	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221CA01	7221	Granted	Canada	170400		9/8/2016	170400		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCA	MP102-060	Granted	Canada	2485681		5/21/2003	2485681		Millennium Pharmaceuticals, Inc.
MP105-003P1RNCA	MP105-003	Granted	Canada	2596424		2/2/2006	2596424		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCA	MP106-003	Granted	Canada	2639924		1/31/2007	2639924		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCA	MP107-013	Granted	Canada	2695193		8/1/2008	2695193		Millennium Pharmaceuticals, Inc.
MP109-007P1RNCA	MP109-007	Granted	Canada	2761256		5/13/2010	2761256		Millennium Pharmaceuticals, Inc.
MP107-001P1RNCA	MP107-001	Granted	Canada	2774032		10/22/2010	2774032		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0293

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT8948PCTCA									
01	8948	Granted	Canada	2802188		6/17/2011	2802188		Millennium Pharmaceuticals, Inc.
PAT8948PCTCA									
01	8948	Granted	Canada	2802188		6/17/2011	2802188		Millennium Pharmaceuticals, Inc.
									Millennium Pharmaceuticals, Inc.
MP111-009P1RNCA2	MP111-009	Pending	Canada	2853822		10/26/2012			Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RCA	MP111-012	Pending	Canada	2854461		11/2/2012			Millennium Pharmaceuticals, Inc.
MP111-015P2RNCA	MP111-015	Pending	Canada	2855356		11/9/2012			Millennium Pharmaceuticals, Inc.
MP112-004P1RNCA	MP112-004	Granted	Canada	2864672		2/14/2013	2864672		Millennium Pharmaceuticals, Inc.
MP112-018P1RNCA	MP112-018	Pending	Canada	2871614		4/27/2013			Millennium Pharmaceuticals, Inc.
MP112-023P1RNCA	MP112-023	Pending	Canada	2886783		10/1/2013			Millennium Pharmaceuticals, Inc.
MP115-015P3CA	MP115-015	Pending	Canada	2915105		12/10/2015			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP115-003P1CA	MP115-003	Pending	Canada	2915107		12/10/2015			Millennium Pharmaceuticals, Inc.
MP113-005P3RNCA	MP113-005	Pending	Canada	2923752		5/13/2014			Millennium Pharmaceuticals, Inc.
MP114-001P2RNCA	MP114-001	Pending	Canada	2935867		1/13/2015			Millennium Pharmaceuticals, Inc.
MP107-013P2RNCA	MP107-013	Granted	Canada	2949336		8/1/2008	2949336		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0294

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNCA	MP114-011	Pending	Canada	2953132		6/30/2015			Millennium Pharmaceuticals, Inc.
MP115-004P1CA	MP115-004	Pending	Canada	2976696		2/16/2016			Millennium Pharmaceuticals, Inc.
MP116-013P1NCA	MP116-013	Pending	Canada	3027286		6/12/2017			Millennium Pharmaceuticals, Inc.
MP107-001P1RNCADV1	MP107-001	Granted	Canada	3031851		10/22/2010	3031851		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP116-015P1CA	MP116-015	Pending	Canada	3032011		8/3/2017			Millennium Pharmaceuticals, Inc.
MP116-014P3CAM	MP116-014	Pending	Canada	3042889		11/13/2017			Millennium Pharmaceuticals, Inc.
MP116-018P1IL PAT8360PCTCA 01	MP116-018	Pending	Canada	3044892		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT13315PCTC A01	8360	Pending	Canada	3062880		5/11/2018			Millennium Pharmaceuticals, Inc.
	MP118-017	Pending	Canada	3105947		7/9/2019			Millennium Pharmaceuticals, Inc.
MP107-001P1RNCL	MP107-001	Granted	Chile	CL201200806		10/22/2010	CL51273B		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNCL	MP112-018	Pending	Chile	CL201402911		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1RNCL	MP114-011	Pending	Chile	CL201603398		6/30/2015	ZL 200780004410.1		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCN	MP106-003	Granted	China	200780004410.1		1/31/2007	200780004410.1		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0295

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-013P2RNCN	MP107-013	Granted	China	200880101525.7		8/1/2008	ZL 200880101525.7		Millennium Pharmaceuticals, Inc.
MP107-001P1RNCN	MP107-001	Granted	China	201080043591.0		10/22/2010	ZL 201080043591.0		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
PAT8948PCTCN 01	8948	Granted	China	201180037718.2		6/17/2011	ZL20118003771 8.2		Millennium Pharmaceuticals, Inc.
PAT8948PCTCN 01	8948	Granted	China	201180037718.2		6/17/2011	ZL20118003771 8.2		Millennium Pharmaceuticals, Inc.
MP111-012P1RCN	MP111-012	Granted	China	201280062112.9		11/2/2012	ZL 201280062112.9		Millennium Pharmaceuticals, Inc.
MP111-009P1RNCN2	MP111-009	Granted	China	201280065065.3		10/26/2012	ZL 201280065065.3		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-015P2RNCN	MP111-015	Granted	China	201280066221.8		11/9/2012	ZL 201280066221.8		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCNDV 1	MP107-013	Granted	China	201310356726.4		8/1/2008	ZL 201310356726.4		Millennium Pharmaceuticals, Inc.
MP108-013P1RNCNDV 1	MP108-013	Granted	China	201310475757.1		9/25/2009	ZL 201310475757.1		Millennium Pharmaceuticals, Inc.
MP112-004P1RNCN	MP112-004	Granted	China	201380009784.8		2/14/2013	ZL 201380009784.8		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0296

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-005P1RNCN	MP112-005	Granted	China	201380015168. 3		1/23/2013	ZL 201380015168. 3		Millennium Pharmaceuticals, Inc.
MP112-001P1RNCN	MP112-001	Granted	China	201380015193. 1		1/23/2013	ZL 201380015193. 1		Millennium Pharmaceuticals, Inc.
MP112-018P1RNCN	MP112-018	Granted	China	201380033309. 4		4/27/2013	ZL 201380033309. 4		Millennium Pharmaceuticals, Inc.
MP112-023P1RNCN	MP112-023	Granted	China	201380061933. 5		10/1/2013	ZL 201380061933. 5		Millennium Pharmaceuticals, Inc.
MP113-005P3RNCN	MP113-005	Pending	China	201480033555. 4		5/13/2014			Millennium Pharmaceuticals, Inc.
MP114-001P2RNCN	MP114-001	Granted	China	201580004591. 2		1/13/2015	ZL 201580004591. 2		Millennium Pharmaceuticals, Inc.
MP114-011P1RNCN	MP114-011	Pending	China	201580044952. 6		6/30/2015			Millennium Pharmaceuticals, Inc.
MP106-003P1RNCNDV 2	MP106-003	Granted	China	201610326315. 4		1/31/2007	ZL 201610326315. 4		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCNDV 2	MP107-013	Granted	China	201610622354. 9		8/1/2008	ZL 201610622354. 9		Millennium Pharmaceuticals, Inc.
PAT7221CN01	7221	Granted	China	201630466238. 3		9/9/2016	ZL20163046623 8		Millennium Pharmaceuticals, Inc.
MP115-003P2NCN	MP115-003	Pending	China	201680009832. 7		2/10/2016			Millennium Pharmaceuticals, Inc.
MP115-004P1CN	MP115-004	Pending	China	201680010651. 6		2/16/2016			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0297

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP15-015P1RNCN	MP15-015	Pending	China	201680064420.3		11/4/2016			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP11-009P1RNCN2D V1	MP11-009	Pending	China	201710186060.0		10/26/2012			Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP16-013P1NCN	MP16-013	Pending	China	201780041382.4		6/12/2017			Millennium Pharmaceuticals, Inc.
MP16-015P1CN	MP16-015	Pending	China	201780048484.9		8/3/2017			Millennium Pharmaceuticals, Inc.
MP16-014P3CNM	MP16-014	Pending	China	201780070037.3		11/13/2017			Millennium Pharmaceuticals, Inc.
MP16-018P1MX	MP16-018	Pending	China	201780076468.0		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT8360PCTCN 01	8360	Pending	China	201880042275.8		5/11/2018			Millennium Pharmaceuticals, Inc.
MP107-001P1RNCNDV 2	MP107-001	Pending	China	201910115045.6		11/17/2014			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP106-003P1RNCNDV 3	MP106-003	Pending	China	201910117672.3		1/31/2007			Millennium Pharmaceuticals, Inc.
PAT13315PCTC N01	MP18-017	Pending	China	201980044629.7		7/9/2019			Millennium Pharmaceuticals, Inc.
MP106-003P1RNCNCO	MP106-003	Granted	Colombia	08083536		1/31/2007	4309		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0298

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNCO	MP107-001	Granted	Colombia	12053540		10/22/2010	5335		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP107-001P1RNCODV 1	MP107-001	Granted	Colombia	13220722		10/22/2010	5777		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP107-001P1RNCODV 2	MP107-001	Granted	Colombia	14058208		10/22/2010	37508		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNCO	MP112-018	Granted	Colombia	14260074		4/27/2013	30703		Millennium Pharmaceuticals, Inc.
MP114-001P2RNCO	MP114-001	Granted	Colombia	NC2016/00007 57		1/13/2015	33862		Millennium Pharmaceuticals, Inc.
PAT7221CO02	7221	Pending	Colombia	NC2016/00016 13		9/2/2016			Millennium Pharmaceuticals, Inc.
PAT7221CO01	7221	Pending	Colombia	NC2016/00016 16		9/2/2016			Millennium Pharmaceuticals, Inc.
MP114-011P1RNCO	MP114-011	Granted	Colombia	NC2016/00060 97		6/30/2015	34743		Millennium Pharmaceuticals, Inc.
MP105-003P1RNHR	MP105-003	Granted	Croatia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNHR	MP106-003	Granted	Croatia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPHRO 1	8948	Granted	Croatia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNHR	MP112-018	Granted	Croatia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0299

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP114-011P1RNRH	MP114-011	Granted	Croatia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNCY	MP105-003	Granted	Cyprus	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCY	MP106-003	Granted	Cyprus	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPCY01	8948	Granted	Cyprus	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNCY	MP112-018	Granted	Cyprus	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNCY	MP114-011	Granted	Cyprus	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNCZ	MP105-003	Granted	Czechia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCZ	MP106-003	Granted	Czechia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPCZ01	8948	Granted	Czechia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNCZ	MP112-018	Granted	Czechia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNCZ	MP114-011	Granted	Czechia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNDK	MP105-003	Granted	Denmark	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNDK	MP106-003	Granted	Denmark	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPDKO1	8948	Granted	Denmark	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNDK	MP112-018	Granted	Denmark	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0300

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNDK	MP114-011	Granted	Denmark	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP112-018P1RNEC	MP112-018	Pending	Ecuador	ECSP14028523		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1RNEC	MP114-011	Pending	Ecuador	ECSP17006751		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNEC	MP107-001	Pending	Ecuador	ECSP201211761		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP114-001P2RNEC	MP114-001	Pending	Ecuador	ECSP201312621		1/13/2015			Millennium Pharmaceuticals, Inc.
PAT7221EC01	7221	Granted	Ecuador	IEPI-2016-72075		9/7/2016	DI-2019-007		Millennium Pharmaceuticals, Inc.
PAT7221DHDEG01	7221	Granted	Egypt	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP106-003P1RNEGDV1	MP106-003	Pending	Egypt	PCT 1315/2008		1/31/2007			Millennium Pharmaceuticals, Inc.
MP112-018P1RNEC	MP112-018	Pending	Egypt	PCT 1705/2014		4/27/2013			Millennium Pharmaceuticals, Inc.
MP107-001P1RNEC	MP107-001	Pending	Egypt	PCT 553/2012		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP114-011P1RNEC	MP114-011	Pending	Egypt	PCT 7/2017		6/30/2015			Millennium Pharmaceuticals, Inc.
MP111-012P1REG	MP111-012	Pending	Egypt	PCT 712/2014		11/2/2012			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0301

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP102-060P1RNEP_3666FROW	MP102-060	Inactive	EPO	03755422.7		5/21/2003	EP1507756		Millennium Pharmaceuticals, Inc.
MP105-003P1RNEP	MP105-003	Inactive	EPO	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNEP	MP106-003	Inactive	EPO	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNEP	MP107-013	Inactive	EPO	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP108-003P1EPM	MP108-003	Inactive	EPO	09812449.8		5/14/2009	EP2297347		Millennium Pharmaceuticals, Inc.
MP107-001P1RNEP	MP107-001	Inactive	EPO	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP106-003P1RNEPDV1 PAT8948PCTEP 01	MP106-003	Inactive	EPO	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
MP107-013P2RNEPDV1	MP107-013	Inactive	EPO	12172363.9		6/18/2012	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNEPDV2	MP107-013	Inactive	EPO	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNEPDV3	MP107-013	Inactive	EPO	12172365.4		6/18/2012	EP2540727		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0302

Schedule A

Patent Ref	Family	Status	Country	Application No	Invs Specific App No	Filed Date	Patent No	Invs Specific Patent No	Current Owners
MP11-009P1RNEP2	MP11-009	Inactive	EPO	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP11-012P1REP	MP11-012	Inactive	EPO	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP11-015P2RNEP	MP11-015	Inactive	EPO	12847968.0		11/9/2012	EP2776043		Millennium Pharmaceuticals, Inc.
MP12-005P1RNEP	MP12-005	Inactive	EPO	13741424.9		1/23/2013	EP2810066		Millennium Pharmaceuticals, Inc.
MP12-018P1RNEP	MP12-018	Inactive	EPO	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP12-023P1RNEP	MP12-023	Inactive	EPO	13843965.8		10/1/2013	EP2904115		Millennium Pharmaceuticals, Inc.
PAT9730PCTEP01	MP13-005	Granted	EPO	14797156.8		5/13/2014	EP2996773		Millennium Pharmaceuticals, Inc.
MP14-001P2RNEP	MP14-001	Pending	EPO	15737173.3		1/13/2015			Millennium Pharmaceuticals, Inc.
MP14-011P1RNEP	MP14-011	Inactive	EPO	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP14-019P1NEP	MP14-019	Granted	EPO	15853752.2		10/23/2015			Millennium Pharmaceuticals, Inc.
PAT11893PCTEP01	MP14-020	Granted	EPO	15854199.5		10/23/2015	EP3212651		Millennium Pharmaceuticals, Inc.
MP14-029P3NEP	MP14-029	Pending	EPO	15873834.4		12/23/2015			Millennium Pharmaceuticals, Inc.
PAT9900DIVEP02	MP109-007	Granted	EPO	16159438.7		5/13/2010	EP3091020		Millennium Pharmaceuticals, Inc.
PAT8948DIVEP02	8948	Inactive	EPO	16192596.1		6/17/2011			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0303

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-004P1RNEPDV1	MP112-004	Granted	EPO	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
MP115-002P2NEP	MP115-002	Pending	EPO	16715375.8		3/4/2016			Millennium Pharmaceuticals, Inc.
MP115-003P2NEP	MP115-003	Pending	EPO	16749834.4		2/10/2016			Millennium Pharmaceuticals, Inc.
MP115-004P1EP	MP115-004	Pending	EPO	16752904.9		2/16/2016			Millennium Pharmaceuticals, Inc.
MP115-015P1RNEP	MP115-015	Pending	EPO	16810119.4		11/4/2016			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP115-016P1EP	MP115-016	Pending	EPO	17715579.3		3/21/2017			Millennium Pharmaceuticals, Inc.
MP116-008P1EP	MP116-008	Pending	EPO	17715881.3		3/24/2017			Millennium Pharmaceuticals, Inc.
MP116-009P1NEP	MP116-009	Pending	EPO	17724180.9		5/4/2017			Millennium Pharmaceuticals, Inc.; Icahn School of Medicine at Mount Sinai
MP116-013P1NEP	MP116-013	Pending	EPO	17734895.0		6/12/2017			Millennium Pharmaceuticals, Inc.
MP116-014P3EPM	MP116-014	Pending	EPO	17808270.7		11/13/2017			Millennium Pharmaceuticals, Inc.
MP116-018P1SG	MP116-018	Pending	EPO	17829779.2		12/13/2017			Millennium Pharmaceuticals, Inc.
MP116-015P1EP	MP116-015	Pending	EPO	17837675.2		8/3/2017			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0304

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT8360PCTEP									
01	8360	Pending	EPO	18798651.8		5/11/2018			Millennium Pharmaceuticals, Inc.
MP117-009P1EP	MP117-009	Pending	EPO	18858919.6		9/20/2018			Millennium Pharmaceuticals, Inc.
MP107-001P1RNEPDV1	MP107-001	Pending	EPO	19153014.6		10/22/2010			Millennium Pharmaceuticals, Inc.;
PAT11329DIVEP									Amgen British Columbi
02	MP114-011	Granted	EPO	19153547.5		6/30/2015	EP3517112		Millennium Pharmaceuticals, Inc.
MP112-004P1RNEPDV2	MP112-004	Granted	EPO	19170607.6		2/14/2013	EP3536692		Millennium Pharmaceuticals, Inc.
MP114-022P1EPDV1	MP114-022	Pending	EPO	19174177.6		11/25/2015			Millennium Pharmaceuticals, Inc.
PAT13300PCTE									
P01	MP118-014	Pending	EPO	19811276.5		5/28/2019			Millennium Pharmaceuticals, Inc.
PAT13315PCTE									
P01	MP118-017	Pending	EPO	19835170.2		7/9/2019			Millennium Pharmaceuticals, Inc.
MP105-003P1RNEE	MP105-003	Granted	Estonia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNEE	MP106-003	Granted	Estonia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPDEE0									
1	8948	Granted	Estonia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNEE	MP112-018	Granted	Estonia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNEE	MP114-011	Granted	Estonia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0305

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNEA	MP106-003	Granted	Eurasian Patent Convention	200801784		1/31/2007	024006		Millennium Pharmaceuticals, Inc.
MP108-013P1RNEA	MP108-013	Granted	Eurasian Patent Convention	201170508		9/25/2009	030539		Millennium Pharmaceuticals, Inc.
MP107-001P1RNEA	MP107-001	Granted	Eurasian Patent Convention	201270365		10/22/2010	030827		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP111-012P1REA	MP111-012	Granted	Eurasian Patent Convention	201400539		11/2/2012	028380		Millennium Pharmaceuticals, Inc.
MP112-004P1RNEA	MP112-004	Granted	Eurasian Patent Convention	201400831		2/14/2013	035020		Millennium Pharmaceuticals, Inc.
MP112-018P1RNEA	MP112-018	Granted	Eurasian Patent Convention	201491977		4/27/2013	034689		Millennium Pharmaceuticals, Inc.
MP106-003P1RNEADV1	MP106-003	Granted	Eurasian Patent Convention	201500769		1/31/2007	031335		Millennium Pharmaceuticals, Inc.
MP114-001P2RNEA	MP114-001	Granted	Eurasian Patent Convention	201691421		1/13/2015	032458		Millennium Pharmaceuticals, Inc.
MP114-011P1RNEA	MP114-011	Granted	Eurasian Patent Convention	201790108		6/30/2015	034119		Millennium Pharmaceuticals, Inc.
MP115-004P1EA	MP115-004	Pending	Eurasian Patent Convention	201791736		2/16/2016			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0306

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNEADV1	MP107-001	Pending	Eurasian Patent Convention	201792376		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP116-018P1KR	MP116-018	Pending	Eurasian Patent Convention	201991452		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT7221EM01	7221	Granted	European Union	003356229		8/29/2016	003356229		Millennium Pharmaceuticals, Inc.
MP105-003P1RNFI	MP105-003	Granted	Finland	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNFI	MP106-003	Granted	Finland	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPFI01	8948	Granted	Finland	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNFI	MP112-018	Granted	Finland	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNFI	MP114-011	Granted	Finland	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP102-060P1RNFR	MP102-060	Granted	France	03755422.7		5/21/2003	EP1507756		Millennium Pharmaceuticals, Inc.
MP105-003P1RNFR	MP105-003	Granted	France	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNFR	MP106-003	Granted	France	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNFR	MP107-013	Granted	France	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP108-013P1RNFR	MP108-013	Granted	France	09789372.1		9/25/2009	EP2346882		Millennium Pharmaceuticals, Inc.
MP108-018P1RNFRM	MP108-018	Granted	France	09795577.7		12/4/2009	EP2373657		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0307

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr. Specific App No	Filed Date	Patent No	Intr. Specific Patent No	Current Owners
MP108-003P1FRM	MP108-003	Granted	France	09812449.8		5/14/2009	EP2297347		Millennium Pharmaceuticals, Inc.
MP107-001P1RNFR	MP107-001	Granted	France	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP106-003P1RNFRDV1 PAT8948EPFR01	MP106-003	Granted	France	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
MP107-013P2RNFRDV1	MP107-013	Granted	France	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNFRDV2	MP107-013	Granted	France	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNFRDV3	MP107-013	Granted	France	12172365.4		8/1/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNFR2	MP111-009	Granted	France	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RFR	MP111-012	Granted	France	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP111-015P2RNFR	MP111-015	Granted	France	12847968.0		11/9/2012	EP2776043		Millennium Pharmaceuticals, Inc.
MP112-005P1RNFR	MP112-005	Granted	France	13741424.9		1/23/2013	EP2810066		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0308

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-018P1RNFR	MP112-018	Granted	France	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP112-023P1RNFR	MP112-023	Granted	France	13843965.8		10/1/2013	EP2904115		Millennium Pharmaceuticals, Inc.
PAT9730EPFR01	MP113-005	Granted	France	14797156.8		5/13/2014	EP2996773		Millennium Pharmaceuticals, Inc.
MP114-011P1RNFR	MP114-011	Granted	France	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT11893EPFR01	MP114-020	Granted	France	15854199.5		10/23/2015	EP3212651		Millennium Pharmaceuticals, Inc.
PAT9900EPFR01	MP109-007	Granted	France	16159438.7		5/13/2010	EP3091020		Millennium Pharmaceuticals, Inc.
MP112-004P1RNFRDV1	MP112-004	Granted	France	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
PAT11329EPFR02	MP114-011	Granted	France	19153547.5		6/30/2015	EP3517112		Millennium Pharmaceuticals, Inc.
PAT7823EPFR03	MP112-004	Granted	France	19170607.6		2/14/2013	EP3536692		Millennium Pharmaceuticals, Inc.
PAT7221DHDGE01	7221	Granted	Georgia	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP102-060P1RNDE	MP102-060	Granted	Germany	03755422.7		5/21/2003	EP1507756		Millennium Pharmaceuticals, Inc.
MP105-003P1RNDE	MP105-003	Granted	Germany	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNDE	MP106-003	Granted	Germany	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDE	MP107-013	Granted	Germany	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP108-013P1RNDE	MP108-013	Granted	Germany	09789372.1		9/25/2009	EP2346882		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0309

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP108-018P1RNDEM	MP108-018	Granted	Germany	09795577.7		12/4/2009	EP2373657		Millennium Pharmaceuticals, Inc.
MP108-003P1DEM	MP108-003	Granted	Germany	09812449.8		5/14/2009	EP2297347		Millennium Pharmaceuticals, Inc.
MP107-001P1RNDE	MP107-001	Granted	Germany	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP106-003P1RNDEDV1 PAT8948EPDEO1	MP106-003	Granted	Germany	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDEDV1	MP107-013	Granted	Germany	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDEDV2	MP107-013	Granted	Germany	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDEDV3	MP107-013	Granted	Germany	12172365.4		8/2/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNDE2	MP111-009	Granted	Germany	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RDE	MP111-012	Granted	Germany	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP111-015P2RNDE	MP111-015	Granted	Germany	12847968.0		11/9/2012	EP2776043		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0310

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP112-005P1RNDE	MP112-005	Granted	Germany	13741424.9		1/23/2013	EP2810066		Millennium Pharmaceuticals, Inc.
MP112-018P1RNDE	MP112-018	Granted	Germany	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP112-023P1RNDE	MP112-023	Granted	Germany	13843965.8		10/1/2013	EP2904115		Millennium Pharmaceuticals, Inc.
MP114-011P1RNDE	MP114-011	Granted	Germany	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT11893EPDE 01	MP114-020	Granted	Germany	15854199.5		10/23/2015	EP3212651		Millennium Pharmaceuticals, Inc.
PAT9900EPDEO 1	MP109-007	Granted	Germany	16159438.7		5/13/2010	EP3091020		Millennium Pharmaceuticals, Inc.
MP112-004P1RNDEDEV1	MP112-004	Granted	Germany	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
PAT11329EPDE 02	MP114-011	Granted	Germany	19153547.5		6/30/2015	EP3517112		Millennium Pharmaceuticals, Inc.
PAT7823EPDEO 3	MP112-004	Granted	Germany (Federal Republic of)	19170607.6		2/14/2013	EP3536692		Millennium Pharmaceuticals, Inc.
MP112-018P1RNGH	MP112-018	Pending	Ghana	GH/P/14/00024		4/27/2013			Millennium Pharmaceuticals, Inc.
MP105-003P1RNGR	MP105-003	Granted	Greece	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNGR	MP106-003	Granted	Greece	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPGRO 1	8948	Granted	Greece	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNGR	MP112-018	Granted	Greece	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0311

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNGR	MP114-011	Granted	Greece	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP114-011P1NGC	MP114-011	Pending	Gulf Cooperation Council	2015/29654		6/30/2015			Millennium Pharmaceuticals, Inc.
MP118-017P1NGC	MP118-017	Pending	Gulf Cooperation Council	2019/37895		7/9/2019			Millennium Pharmaceuticals, Inc.
MP118-031P1GC	MP118-031	Pending	Gulf Cooperation Council	2020/39055		1/23/2020			Millennium Pharmaceuticals, Inc.
PAT72221HK01	7221	Granted	Hong Kong	01601729.5		9/9/2016	HK1601729		Millennium Pharmaceuticals, Inc.
MP105-003P1RNHK	MP105-003	Granted	Hong Kong	08103487.6			HK1113363		Millennium Pharmaceuticals, Inc.
MP106-003P1RNHK	MP106-003	Granted	Hong Kong	09103865.7			HK1124609		Millennium Pharmaceuticals, Inc.
MP107-013P2RNHK	MP107-013	Granted	Hong Kong	10110168.3		10/28/2010	HK1143592		Millennium Pharmaceuticals, Inc.
MP106-003P1RNHKDV1	MP106-003	Granted	Hong Kong	12106507.9		7/4/2012	HK1166308		Millennium Pharmaceuticals, Inc.
MP107-001P1RNHK	MP107-001	Pending	Hong Kong	13101067.1		1/24/2013			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP107-013P2RNHKDV1	MP107-013	Granted	Hong Kong	13105779.1		5/15/2013	HK1178895		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0312

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-013P2RNHKDV2	MP107-013	Granted	Hong Kong	13105962.8		5/21/2013	HK1178167		Millennium Pharmaceuticals, Inc.
MP11-009P1RNHK2	MP11-009	Granted	Hong Kong	15102773.2		3/17/2015	HK1202224		Millennium Pharmaceuticals, Inc.;
MP11-005P1RNHK	MP12-005	Granted	Hong Kong	15105536.3		6/10/2015	HK1205254		Massachusetts General Hospital
MP12-018P1RNHK	MP12-018	Granted	Hong Kong	15108592.8			HK1208049		Millennium Pharmaceuticals, Inc.
PAT8948REGHK01	8948	Pending	Hong Kong	17108890.5		6/17/2011			Millennium Pharmaceuticals, Inc.
PAT8948REGHK01	8948	Pending	Hong Kong	17108890.5		6/17/2011			Millennium Pharmaceuticals, Inc.
MP14-011P1RNHK	MP14-011	Pending	Hong Kong	17111196.0		11/1/2017			Millennium Pharmaceuticals, Inc.
MP15-003P2NHHK	MP15-003	Pending	Hong Kong	18102834.6		2/27/2018			Millennium Pharmaceuticals, Inc.
MP16-015P1HK	MP16-015	Pending	Hong Kong	19128396.9		8/19/2019			Millennium Pharmaceuticals, Inc.
PAT8360REGHK01	8360	Pending	Hong Kong	62020010942.4		5/11/2018			Millennium Pharmaceuticals, Inc.
PAT8360REGHK02	8360	Pending	Hong Kong	62020015624.3		5/11/2018			Millennium Pharmaceuticals, Inc.
MP105-003P1RNHU	MP105-003	Granted	Hungary	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNHU	MP106-003	Granted	Hungary	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPHU01	8948	Granted	Hungary	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0313

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-018P1RNHU	MP112-018	Granted	Hungary	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNHU	MP114-011	Granted	Hungary	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNIS	MP105-003	Granted	Iceland	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNIS	MP106-003	Granted	Iceland	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPIS01	8948	Granted	Iceland	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNIS	MP112-018	Granted	Iceland	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNIS	MP114-011	Granted	Iceland	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDIS01	7221	Granted	Iceland	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221IN01	7221	Granted	India	286716		9/9/2016	286716		Millennium Pharmaceuticals, Inc.
PAT7221IN02	7221	Granted	India	286717		9/9/2016	286717		Millennium Pharmaceuticals, Inc.
MP114-001P2RNIN	MP114-001	Pending	India	201617025357		1/13/2015			Millennium Pharmaceuticals, Inc.
MP107-013P2RNINDV1	MP107-013	Pending	India	201618006952		8/1/2008			Millennium Pharmaceuticals, Inc.
MP114-011P1RNIN	MP114-011	Pending	India	201717002881		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNINDV1	MP107-001	Pending	India	202018011419		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0314

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNIN	MP107-001	Granted	India	2604/DELNP/2012		10/22/2010	344541		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP106-003P1RNINDV1	MP106-003	Pending	India	2622/DELNP/2015		3/31/2015			Millennium Pharmaceuticals, Inc.
MP108-013P1RNIN	MP108-013	Granted	India	3086/DELNP/2011		9/25/2009	298445		Millennium Pharmaceuticals, Inc.
PAT8948PCTINO1	8948	Granted	India	41/CHENP/2013		6/17/2011	311677		Millennium Pharmaceuticals, Inc.
PAT8948PCTINO1	8948	Granted	India	41/CHENP/2013		6/17/2011	311677		Millennium Pharmaceuticals, Inc.
MP105-003P1RNIN	MP105-003	Granted	India	6144/DELNP/2007		2/2/2006	273556		Millennium Pharmaceuticals, Inc.
MP106-003P1RNIN	MP106-003	Granted	India	6423/DELNP/2008		1/31/2007	283901		Millennium Pharmaceuticals, Inc.
MP112-004P1RNIN	MP112-004	Pending	India	7027/DELNP/2014		2/14/2013			Millennium Pharmaceuticals, Inc.
MP112-018P1RNIN	MP112-018	Pending	India	8916/DELNP/2014		4/27/2013			Millennium Pharmaceuticals, Inc.
MP107-013P2RNIN	MP107-013	Granted	India	897/DELNP/2010		8/1/2008	288067		Millennium Pharmaceuticals, Inc.
PAT7221ID01	7221	Granted	Indonesia	A00201602613		9/2/2016	IDD000049462		Millennium Pharmaceuticals, Inc.
MP111-012P1RID	MP111-012	Granted	Indonesia	P00201403164		11/2/2012	IDP000048398		Millennium Pharmaceuticals, Inc.
MP112-018P1RNID	MP112-018	Granted	Indonesia	P00201407360		4/27/2013	IDP000055741		Millennium Pharmaceuticals, Inc.
MP114-011P1RNID	MP114-011	Pending	Indonesia	P00201700676		6/30/2015			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0315

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNID	MP106-003	Granted	Indonesia	W-00200802523		1/31/2007	IDP000047823		Millennium Pharmaceuticals, Inc.
MP107-001P1RNID	MP107-001	Granted	Indonesia	W00201201220		10/22/2010	IDP000050813		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT7221WODO1	7221	Granted	International Design	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP105-003P1RNIE	MP105-003	Granted	Ireland	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNIE	MP106-003	Granted	Ireland	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EP1E01	8948	Granted	Ireland	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNIE	MP112-018	Granted	Ireland	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNIE	MP114-011	Granted	Ireland	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221IL01	7221	Granted	Israel	59131		9/2/2016	59131		Millennium Pharmaceuticals, Inc.
PAT7221IL02	7221	Granted	Israel	59132		9/2/2016	59132		Millennium Pharmaceuticals, Inc.
MP106-003P1RNIL	MP106-003	Granted	Israel	193141		1/31/2007	193141		Millennium Pharmaceuticals, Inc.
MP107-013P2RNIL	MP107-013	Granted	Israel	203590		8/1/2008	203590		Millennium Pharmaceuticals, Inc.
MP107-001P1RNIL	MP107-001	Granted	Israel	218763		10/22/2010	218763		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0316

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
PAT8948PCTILO									
2	8948	Granted	Israel	223515		6/17/2011	223515		Millennium Pharmaceuticals, Inc.
PAT8948PCTILO									
2	8948	Granted	Israel	223515		6/17/2011	223515		Millennium Pharmaceuticals, Inc.
MP111-012P1RIL	MP111-012	Granted	Israel	232353		11/2/2012	232353		Millennium Pharmaceuticals, Inc.
MP106-003P1RNILDV1	MP106-003	Granted	Israel	232786		5/25/2014	232786		Millennium Pharmaceuticals, Inc.
MP112-018P1RNIL	MP112-018	Granted	Israel	235307		4/27/2013	235307		Millennium Pharmaceuticals, Inc.
MP107-001P1RNILDV1	MP107-001	Granted	Israel	247842		10/22/2010	247842		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP114-011P1RNIL	MP114-011	Granted	Israel	249820		6/30/2015	249820		Millennium Pharmaceuticals, Inc.
MP107-013P2RNILDV1	MP107-013	Granted	Israel	251372		8/1/2008	251372		Millennium Pharmaceuticals, Inc.
PAT8948DIVILO	8948	Granted	Israel	257429		6/17/2011	257429		Millennium Pharmaceuticals, Inc.
PAT8948DIVILO	8948	Granted	Israel	257429		6/17/2011	257429		Millennium Pharmaceuticals, Inc.
MP107-001P1RNILDV2	MP107-001	Granted	Israel	260285		10/22/2010	260285		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP116-018P1CA	MP116-018	Pending	Israel	267005		12/13/2017			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0317

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP105-003P1RNIT	MP105-003	Granted	Italy	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNIT	MP106-003	Granted	Italy	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNIT	MP107-013	Granted	Italy	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP107-001P1RNIT	MP107-001	Granted	Italy	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP106-003P1RNITDV1	MP106-003	Granted	Italy	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
PAT8948EPT01	8948	Granted	Italy	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP107-013P2RNITDV1	MP107-013	Granted	Italy	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNITDV2	MP107-013	Granted	Italy	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNITDV3	MP107-013	Granted	Italy	12172365.4		8/1/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNIT2	MP111-009	Granted	Italy	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RIT	MP111-012	Granted	Italy	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0318

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-018P1RNIT	MP112-018	Granted	Italy	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
PAT9730EPIT01	MP113-005	Granted	Italy	14797156.8		5/13/2014	EP2996773	50202000011 5763	Millennium Pharmaceuticals, Inc.
MP114-011P1RNIT	MP114-011	Granted	Italy	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT11893EPIT01	MP114-020	Granted	Italy	15854199.5		10/23/2015	EP3212651		Millennium Pharmaceuticals, Inc.
PAT9900EPIT01	MP109-007	Granted	Italy	16159438.7		5/13/2010	EP3091020		Millennium Pharmaceuticals, Inc.
MP112-004P1RNITDV1	MP112-004	Granted	Italy	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
PAT11329EPIT02	MP114-011	Granted	Italy	19153547.5		6/30/2015	EP3517112		Millennium Pharmaceuticals, Inc.
PAT7823EPIT03	MP112-004	Granted	Italy	19170607.6		2/14/2013	EP3536692		Millennium Pharmaceuticals, Inc.
MP102-060P1RNJP	MP102-060	Granted	Japan	2004-507431		5/21/2003	4828822		Millennium Pharmaceuticals, Inc.
MP105-003P1RNJP	MP105-003	Granted	Japan	2007-554355		2/2/2006	5048520		Millennium Pharmaceuticals, Inc.
MP106-003P1RNJP	MP106-003	Granted	Japan	2008-553310		1/31/2007	5231251		Millennium Pharmaceuticals, Inc.
MP102-060P1RNJPDV2_3666JP2P	MP102-060	Pending	Japan	2009-235795		10/9/2009			Millennium Pharmaceuticals, Inc.
MP102-060P1RNJPDV3_3666JP3P	MP102-060	Granted	Japan	2010-265823		11/29/2010	5544283		Millennium Pharmaceuticals, Inc.
MP107-013P2RNJP	MP107-013	Granted	Japan	2010-519947		8/1/2008	5479336		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0319

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP108-003P1JPM	MP108-003	Granted	Japan	2011-509485		5/14/2009	5892791		Millennium Pharmaceuticals, Inc.
MP108-013P1RNJP	MP108-013	Granted	Japan	2011-529021		9/25/2009	5736314		Millennium Pharmaceuticals, Inc.
MP108-018P1RNJPM	MP108-018	Granted	Japan	2011-539512		12/4/2009	5684719		Millennium Pharmaceuticals, Inc.
MP107-001P1RNJP	MP107-001	Granted	Japan	2012-535402		10/22/2010	5925684		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP107-013P2RNJPDV1	MP107-013	Granted	Japan	2013-219880		10/25/2013	6148594		Millennium Pharmaceuticals, Inc.
PAT8948PCTJP01	8948	Granted	Japan	2013-515569		6/17/2011	5860457		Millennium Pharmaceuticals, Inc.
PAT8948PCTJP01	8948	Granted	Japan	2013-515569		6/17/2011	5860457		Millennium Pharmaceuticals, Inc.
MP102-060P1RNJPDV6	MP102-060	Pending	Japan	2014-036198		2/27/2014			Millennium Pharmaceuticals, Inc.
MP106-003P1RNJPDV2	MP106-003	Granted	Japan	2014-238578		1/31/2007	6199851		Millennium Pharmaceuticals, Inc.
MP111-009P1RNJP2	MP111-009	Granted	Japan	2014-539082		10/26/2012	6251176		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RJP	MP111-012	Granted	Japan	2014-540146		11/2/2012	6231988		Millennium Pharmaceuticals, Inc.
MP111-015P2RNJP	MP111-015	Granted	Japan	2014-541337		11/9/2012	6397765		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0320

Schedule A

Patent Ref	Family	Status	Country	Application No	Infrs Specific App No	Filed Date	Patent No	Infrs Specific Patent No	Current Owners
MP112-001P1RNJP	MP112-001	Granted	Japan	2014-554798		1/23/2013	6215234		Millennium Pharmaceuticals, Inc.
MP112-005P1RNJP	MP112-005	Granted	Japan	2014-554799		1/23/2013	6215235		Millennium Pharmaceuticals, Inc.
MP112-004P1RNJP	MP112-004	Granted	Japan	2014-557765		2/14/2013	6122877		Millennium Pharmaceuticals, Inc.
MP112-018P1RNJP	MP112-018	Granted	Japan	2015-509208		4/27/2013	6472746		Millennium Pharmaceuticals, Inc.
MP112-023P1RNJP	MP112-023	Granted	Japan	2015-534816		10/1/2013	6486826		Millennium Pharmaceuticals, Inc.
MP113-005P3RNJP	MP113-005	Granted	Japan	2016-514042		5/13/2014	6556701		Millennium Pharmaceuticals, Inc.
MP114-001P2RNJP	MP114-001	Granted	Japan	2016-546472		1/13/2015	6609258		Millennium Pharmaceuticals, Inc.
MP112-018P1RNJPDV1	MP112-018	Granted	Japan	2017-087084		4/27/2013	6517267		Millennium Pharmaceuticals, Inc.
MP114-011P1RNJP	MP114-011	Granted	Japan	2017-521031		6/30/2015	6603712		Millennium Pharmaceuticals, Inc.
MP114-020P2NJP	MP114-020	Granted	Japan	2017-523500		10/23/2015	6697453		Millennium Pharmaceuticals, Inc.
MP114-019P1NJP	MP114-019	Granted	Japan	2017-523507		10/23/2015	6698648		Millennium Pharmaceuticals, Inc.
MP114-022P1JP	MP114-022	Pending	Japan	2017-528845		11/25/2015			Millennium Pharmaceuticals, Inc.
MP114-029P3NJP	MP114-029	Pending	Japan	2017-533836		12/23/2015			Millennium Pharmaceuticals, Inc.
MP115-004P1JP	MP115-004	Pending	Japan	2017-542868		2/16/2016			Millennium Pharmaceuticals, Inc.
MP115-002P2NJP	MP115-002	Pending	Japan	2017-546181		3/4/2016			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0321

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP15-015P1RNJP	MP15-015	Pending	Japan	2018-543059		11/4/2016			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP15-016P1JP	MP15-016	Pending	Japan	2018-549787		3/21/2017			Millennium Pharmaceuticals, Inc.
MP16-008P1JP	MP16-008	Pending	Japan	2018-549788		3/24/2017			Millennium Pharmaceuticals, Inc.
MP16-009P1NJP	MP16-009	Pending	Japan	2018-558238		5/4/2017			Millennium Pharmaceuticals, Inc.; Icahn School of Medicine at Mount Sinai
MP16-013P1NJP	MP16-013	Pending	Japan	2018-564829		6/12/2017			Millennium Pharmaceuticals, Inc.
MP14-011P1RNJPDV1	MP14-011	Pending	Japan	2019-187426		6/30/2015			Millennium Pharmaceuticals, Inc.
MP16-003P1RNJPDV5	MP16-003	Pending	Japan	2019-219430		1/31/2007			Millennium Pharmaceuticals, Inc.
MP16-015P1JP	MP16-015	Pending	Japan	2019-505462		8/3/2017			Millennium Pharmaceuticals, Inc.
MP16-014P3JPM	MP16-014	Pending	Japan	2019-524395		11/13/2017			Millennium Pharmaceuticals, Inc.
PAT8360PCTJP01	8360	Pending	Japan	2019-562395		5/11/2018			Millennium Pharmaceuticals, Inc.
	162809	Pending	Japan	2020-065763		12/22/2015			Millennium Pharmaceuticals, Inc.
MP17-009P1JP	MP17-009	Pending	Japan	2020-516727		9/20/2018			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0322

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT13300PCTJP 01	MP18-014	Pending	Japan	2020-566953		5/28/2019			Millennium Pharmaceuticals, Inc.
PAT13315PCTJP 01	MP18-017	Pending	Japan	2020-569041		7/9/2019			Millennium Pharmaceuticals, Inc.
PAT7221DHDJP 01	7221	Granted	Japan	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221JO01	7221	Granted	Jordan	DM/2016/0064		9/8/2016	2237		Millennium Pharmaceuticals, Inc.
PAT7221KZ01	7221	Granted	Kazakhstan	20161613		9/9/2016	2722		Millennium Pharmaceuticals, Inc.
MP106- 003P1RNKZ	MP106-003	Granted	Kazakhstan	200801784		1/31/2007	024006		Millennium Pharmaceuticals, Inc.
MP108- 013P1RNKZ	MP108-013	Granted	Kazakhstan	201170508		9/25/2009	030539		Millennium Pharmaceuticals, Inc.
MP111- 012P1RKZ	MP111-012	Granted	Kazakhstan	201400539		11/2/2012	028380		Millennium Pharmaceuticals, Inc.
MP106- 003P1RNKZDV1	MP106-003	Granted	Kazakhstan	201500769		1/31/2007	031335		Millennium Pharmaceuticals, Inc.
MP114- 011P1RNKZ	MP114-011	Granted	Kazakhstan	201790108		6/30/2015	034119		Millennium Pharmaceuticals, Inc.
MP106- 003P1RNKR	MP106-003	Granted	Korea	10-2008- 7020864		1/31/2007	10-1450533		Millennium Pharmaceuticals, Inc.
MP107- 001P1RNKR	MP107-001	Granted	Korea	10-2012- 7008350		10/22/2010	10-1834890		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948PCTKR 01	8948	Granted	Korea	10-2013- 7000599		6/17/2011	10-1601383		Millennium Pharmaceuticals, Inc.
PAT8948PCTKR 01	8948	Granted	Korea	10-2013- 7000599		6/17/2011	10-1601383		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0323

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
MP106-003P1RNKRDV1	MP106-003	Granted	Korea	10-2014-7008025		3/26/2014	10-1450535		Millennium Pharmaceuticals, Inc.
MP11-012P1RKR	MP11-012	Granted	Korea	10-2014-7014236		11/2/2012	10-1987861		Millennium Pharmaceuticals, Inc.
MP112-018P1RNKR	MP112-018	Granted	Korea	10-2014-7032890		4/27/2013	10-2046435		Millennium Pharmaceuticals, Inc.
MP107-013P2RNKRDV1	MP107-013	Granted	Korea	10-2015-7014228		5/28/2015	10-1925902		Millennium Pharmaceuticals, Inc.
MP114-011P1RNKR	MP114-011	Pending	Korea	10-2017-7002906		6/30/2015			Millennium Pharmaceuticals, Inc.
MP116-018P1WO	MP116-018	Pending	Korea	10-2019-7017864		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT13315PCTK R01	MP118-017	Pending	Korea	10-2021-7000097		7/9/2019			Millennium Pharmaceuticals, Inc.
PAT7221DHDKR 01	7221	Granted	Korea	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221KW01	7221	Pending	Kuwait	140ID2016		9/8/2016			Millennium Pharmaceuticals, Inc.
MP105-003P1RNLV	MP105-003	Granted	Latvia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNLV	MP106-003	Granted	Latvia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPLV01	8948	Granted	Latvia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNLV	MP112-018	Granted	Latvia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNLV	MP114-011	Granted	Latvia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0324

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-001P2RNLB	MP114-001	Granted	Lebanon	135		1/14/2015	10545		Millennium Pharmaceuticals, Inc.
MP118-031P1LB	MP118-031	Granted	Lebanon	224		1/23/2020	11846		Millennium Pharmaceuticals, Inc.
MP114-011P1NLB	MP114-011	Granted	Lebanon	366		6/30/2015	10690		Millennium Pharmaceuticals, Inc.
MP118-017P1NLB	MP118-017	Granted	Lebanon	2207		7/9/2019	11710		Millennium Pharmaceuticals, Inc.
PAT7221LB01	7221	Granted	Lebanon	11283		9/10/2016	4318		Millennium Pharmaceuticals, Inc.
MP112-018P1RNLV	MP112-018	Pending	Libya	4923/2014		4/27/2013			Millennium Pharmaceuticals, Inc.
MP107-001P1RNL	MP107-001	Granted	Liechtenstein	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNL	MP112-018	Granted	Liechtenstein	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNL	MP114-011	Granted	Liechtenstein	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDL01	7221	Granted	Liechtenstein	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP105-003P1RNL	MP105-003	Granted	Lithuania	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNL	MP106-003	Granted	Lithuania	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPLT01	8948	Granted	Lithuania	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNL	MP112-018	Granted	Lithuania	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0325

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNL T	MP114-011	Granted	Lithuania	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNL U	MP105-003	Granted	Luxembourg	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNL U	MP106-003	Granted	Luxembourg	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPLU01	8948	Granted	Luxembourg	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNL U	MP112-018	Granted	Luxembourg	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNL U	MP114-011	Granted	Luxembourg	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221MO01	7221	Granted	Macau	21614		9/2/2016	21614		Millennium Pharmaceuticals, Inc.
MP111-012P1RMO	MP111-012	Granted	Macau	J/002764		9/27/2017	J/002764	J/2764	Millennium Pharmaceuticals, Inc.
MP106-003P1RNM DV									
2	MP106-003	Granted	Macau	J/003697		5/27/2019	J/003697	J/3697	Millennium Pharmaceuticals, Inc.
PAT7221MY01	7221	Granted	Malaysia	16-00908-0101		9/7/2016	MY 16-00908-0101		Millennium Pharmaceuticals, Inc.
MP106-003P1RNM Y	MP106-003	Granted	Malaysia	PI 20082915		1/31/2007	MY-158106-A		Millennium Pharmaceuticals, Inc.
MP107-001P1RNM Y									
MP107-001P1RNM Y	MP107-001	Granted	Malaysia	PI 2012001461		10/22/2010	MY-173390-A		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP106-003P1RNM YDV									
1	MP106-003	Granted	Malaysia	PI 2013003308		1/31/2007	MY-171289-A		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0326

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP111-012P1RMY	MP111-012	Granted	Malaysia	PI 2014001239		11/2/2012	MY-176125-A		Millennium Pharmaceuticals, Inc.
MP112-018P1RMY	MP112-018	Pending	Malaysia	PI 2014703176		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1RMY	MP114-011	Pending	Malaysia	PI 2016704774		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNMVDV		Pending	Malaysia	PI 2019005949		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPMT01	8948	Granted	Malta	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNMVT	MP112-018	Granted	Malta	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNMVT	MP114-011	Granted	Malta	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP102-060P1RNMXDV				MX/a/2008/003009		3/3/2008	286403		Millennium Pharmaceuticals, Inc.
MP106-003P1RNMXX	MP106-003	Granted	Mexico	MX/a/2008/009374		1/31/2007	297448		Millennium Pharmaceuticals, Inc.
MP107-013P2RNMXX	MP107-013	Granted	Mexico	MX/a/2010/001126		8/1/2008	330729		Millennium Pharmaceuticals, Inc.
MP102-060P1RNMXDV				MX/a/2011/001794		2/16/2011	308210		Millennium Pharmaceuticals, Inc.
MP107-001P1RNMXX	MP107-001	Granted	Mexico	MX/a/2012/003198		10/22/2010	329547		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0327

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP102-060P1RNMXDV3_3666MX3P	MP102-060	Pending	Mexico	MX/a/2012/012088		10/17/2012			Millennium Pharmaceuticals, Inc.
PAT8948PCTMX01	8948	Granted	Mexico	MX/a/2012/014470		6/17/2011	323020		Millennium Pharmaceuticals, Inc.
PAT8948PCTMX01	8948	Granted	Mexico	MX/a/2012/014470		6/17/2011	323020		Millennium Pharmaceuticals, Inc.
MP107-001P1RNMXDV1	MP107-001	Granted	Mexico	MX/a/2014/004519		10/22/2010	366890		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP11-012P1RMX	MP11-012	Granted	Mexico	MX/a/2014/005323		11/2/2012	357835		Millennium Pharmaceuticals, Inc.
PAT8948DIVMX02	8948	Granted	Mexico	MX/a/2014/009737		6/17/2011	353209		Millennium Pharmaceuticals, Inc.
PAT8948DIVMX02	8948	Granted	Mexico	MX/a/2014/009737		6/17/2011	353209		Millennium Pharmaceuticals, Inc.
MP112-018P1RNMX	MP112-018	Granted	Mexico	MX/a/2014/013081		4/27/2013	362020		Millennium Pharmaceuticals, Inc.
MP107-013P2RNMXDV1	MP107-013	Granted	Mexico	MX/a/2015/000289		1/8/2015	371106		Millennium Pharmaceuticals, Inc.
MP114-011P1RNMX	MP114-011	Pending	Mexico	MX/a/2016/016993		6/30/2015			Millennium Pharmaceuticals, Inc.
PAT8948DIVMX03	8948	Pending	Mexico	MX/a/2017/013063		6/17/2011			Millennium Pharmaceuticals, Inc.
PAT8948DIVMX03	8948	Pending	Mexico	MX/a/2017/013063		6/17/2011			Millennium Pharmaceuticals, Inc.
MP116-018P1JP	MP116-018	Pending	Mexico	MX/a/2019/006536		12/13/2017			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0328

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNMXDV2	MP107-001	Pending	Mexico	MX/a/2019/008956		4/14/2014			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT13315PCTMX01	MP18-017	Pending	Mexico	MX/a/2021/000349		7/9/2019			Millennium Pharmaceuticals, Inc.
PAT7221MX01	7221	Granted	Mexico	MX/f/2016/002783		9/9/2016	MX 50633 B		Millennium Pharmaceuticals, Inc.
MP102-060P1RNMX_3666MX0P	MP102-060	Granted	Mexico	PA/a/2004/011465		5/21/2003	255366		Millennium Pharmaceuticals, Inc.
PAT7221DHDM01	7221	Granted	Moldova	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP105-003P1RNMCMPI06-003P1RNMCPAT8948EPMCO1	MP105-003	Granted	Monaco	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNMCMPI12-018	MP106-003	Granted	Monaco	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP112-018P1RNMCMPI14-011	MP112-018	Granted	Monaco	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP114-011P1RNMCPAT7221DHDM01	MP14-011	Granted	Monaco	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP112-018P1RNMCMPI12-018	MP12-018	Granted	Monaco	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDM01	7221	Granted	Mongolia	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP112-018P1RNMCMPI12-018	MP12-018	Granted	Montenegro	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
PAT7221DHDM01	7221	Granted	Montenegro	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221MA01	7221	Granted	Morocco	D/001701		9/2/2016	D/001701		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0329

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
MP105-003P1RNNL	MP105-003	Granted	Netherlands	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNNL	MP106-003	Granted	Netherlands	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-001P1RNNL	MP107-001	Granted	Netherlands	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPNLO1	8948	Granted	Netherlands	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP111-012P1RNL	MP111-012	Granted	Netherlands	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP112-018P1RNNL	MP112-018	Granted	Netherlands	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNNL	MP114-011	Granted	Netherlands	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP106-003P1RNNZ	MP106-003	Granted	New Zealand	570084		1/31/2007	570084		Millennium Pharmaceuticals, Inc.
MP107-001P1RNNZ	MP107-001	Granted	New Zealand	598791		10/22/2010	598791		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948PCTNZ01	8948	Granted	New Zealand	605431		6/17/2011	605431		Millennium Pharmaceuticals, Inc.
PAT8948PCTNZ01	8948	Granted	New Zealand	605431		6/17/2011	605431		Millennium Pharmaceuticals, Inc.
MP107-001P1RNNZDV1	MP107-001	Granted	New Zealand	623607		10/22/2010	623607		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0330

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP111-012P1RNNZ	MP111-012	Granted	New Zealand	624881		11/2/2012	624881		Millennium Pharmaceuticals, Inc.
MP112-018P1RNNZ	MP112-018	Granted	New Zealand	701601		4/27/2013	701601		Millennium Pharmaceuticals, Inc.
MP114-001P2RNNZ	MP114-001	Pending	New Zealand	722058		1/13/2015			Millennium Pharmaceuticals, Inc.
MP114-011P1RNNZ	MP114-011	Pending	New Zealand	728162		6/30/2015			Millennium Pharmaceuticals, Inc.
MP116-018P1EP	MP116-018	Pending	New Zealand	754497		12/13/2017			Millennium Pharmaceuticals, Inc.
MP114-011P1RNNZDV1	MP114-011	Pending	New Zealand	765525		6/30/2015			Millennium Pharmaceuticals, Inc.
MP105-003P1RNNMK	MP105-003	Granted	North Macedonia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNNMK	MP106-003	Granted	North Macedonia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPNKO1	8948	Granted	North Macedonia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNNMK	MP112-018	Granted	North Macedonia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNNMK	MP114-011	Granted	North Macedonia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP107-001P1RNNNO	MP107-001	Granted	Norway	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPNOO1	8948	Granted	Norway	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNNNO	MP112-018	Granted	Norway	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0331

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNNO	MP114-011	Granted	Norway	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP106-003P1RNNO	MP106-003	Granted	Norway	20083581		1/31/2007	342745		Millennium Pharmaceuticals, Inc.
PAT7221DHDN001	7221	Granted	Norway	20161070		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
PAT7221DHDO001	7221	Granted	Oman	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP112-018P1ROMM	MP112-018	Granted	Oman	OM/P/2014/00234		4/27/2013	OM/P/2014/00234		Millennium Pharmaceuticals, Inc.
PAT8948PCT01	8948	Inactive	PCT	PCT/US2011/40983		6/17/2011			Millennium Pharmaceuticals, Inc.
PAT8948PCT01	8948	Inactive	PCT	PCT/US2011/40983		6/17/2011			Millennium Pharmaceuticals, Inc.
MP111-009P1RNWO2	MP111-009	Inactive	PCT	PCT/US2012/062263		10/26/2012			Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP114-022P1WO	MP114-022	Inactive	PCT	PCT/US2015/062705		11/25/2015			Millennium Pharmaceuticals, Inc.
MP115-002P2NWO	MP115-002	Inactive	PCT	PCT/US2016/020819		3/4/2016			Millennium Pharmaceuticals, Inc.
MP115-015P1NWO	MP115-015	Inactive	PCT	PCT/US2016/060552		11/4/2016			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP115-016P1WO	MP115-016	Inactive	PCT	PCT/US2017/023371		3/21/2017			Millennium Pharmaceuticals, Inc.
MP116-008P1WO	MP116-008	Inactive	PCT	PCT/US2017/024033		3/24/2017			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0332

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP16-009P1NWO	MP16-009	Inactive	PCT	PCT/US2017/031089		5/4/2017			Millennium Pharmaceuticals, Inc.; Icahn School of Medicine at Mount Sinai
MP16-013P1NWO	MP16-013	Inactive	PCT	PCT/US2017/037072		6/12/2017			Millennium Pharmaceuticals, Inc.
MP16-015P1WOM	MP16-015	Inactive	PCT	PCT/US2017/045275		8/3/2017			Millennium Pharmaceuticals, Inc.
MP16-014P3WOM	MP16-014	Inactive	PCT	PCT/US2017/061294		11/13/2017			Millennium Pharmaceuticals, Inc.
MP16-018P1AU	MP16-018	Inactive	PCT	PCT/US2017/066072		12/13/2017			Millennium Pharmaceuticals, Inc.
MP17-009P1WO	MP17-009	Inactive	PCT	PCT/US2018/051940		9/20/2018			Millennium Pharmaceuticals, Inc.
MP17-036P1WO	MP17-036	Inactive	PCT	PCT/US2018/063446		11/30/2018			Millennium Pharmaceuticals, Inc.
PAT8360PCT01	8360	Inactive	PCT	PCT/US2018/32270		5/11/2018			Millennium Pharmaceuticals, Inc.
MP18-014P1WO	MP18-014	Inactive	PCT	PCT/US2019/034181		5/28/2019			Millennium Pharmaceuticals, Inc.
MP18-017P1NWO	MP18-017	Pending	PCT	PCT/US2019/040838		7/8/2019			Millennium Pharmaceuticals, Inc.
MP18-031P1WO	MP18-031	Pending	PCT	PCT/US2020/014845		1/23/2020			Millennium Pharmaceuticals, Inc.
MP19-004P1NWO	MP19-004	Pending	PCT	PCT/US2020/019931		2/26/2020			Millennium Pharmaceuticals, Inc.
MP19-003P1NWO	MP19-003	Pending	PCT	PCT/US2020/020171		2/27/2020			Millennium Pharmaceuticals, Inc.
MP19-017P1WO	MP19-017	Pending	PCT	PCT/US2020/028861		4/17/2020			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0333

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT7221PE01	7221	Granted	Peru	1586-2016		9/8/2016	4705		Millennium Pharmaceuticals, Inc.
MP12-018P1RNPE	MP12-018	Granted	Peru	1908-2014		4/27/2013	9440		Millennium Pharmaceuticals, Inc.
MP14-011P1RNPE	MP14-011	Pending	Peru	2800-2016		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNPE	MP107-001	Granted	Peru	399-2012		10/22/2010	7829		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP106-003P1RNPH	MP106-003	Granted	Philippines	1-2008-501763		1/31/2007	2008501763		Millennium Pharmaceuticals, Inc.
MP107-001P1RNPH	MP107-001	Granted	Philippines	1-2012-500665		10/22/2010	2012500665		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP11-012P1RPH	MP11-012	Granted	Philippines	1-2014-501001		11/2/2012	2014501001		Millennium Pharmaceuticals, Inc.
MP112-018P1RNPH	MP112-018	Pending	Philippines	1-2014-502399		4/27/2013			Millennium Pharmaceuticals, Inc.
MP14-011P1RNPH	MP14-011	Pending	Philippines	1-2016-502595		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNPHDV1	MP107-001	Pending	Philippines	1-2019-500438		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT7221PH01	7221	Granted	Philippines	3-2016-000973		9/7/2016	2016000973		Millennium Pharmaceuticals, Inc.
MP105-003P1RNPL	MP105-003	Granted	Poland	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0334

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP106-003P1RNPL	MP106-003	Granted	Poland	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-001P1RNPL	MP107-001	Granted	Poland	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
PAT8948EPPL01	8948	Granted	Poland	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP111-012P1RPL	MP111-012	Granted	Poland	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP112-018P1RNPL	MP112-018	Granted	Poland	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNPL	MP114-011	Granted	Poland	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNPT	MP105-003	Granted	Portugal	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNPT	MP106-003	Granted	Portugal	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPPT01	8948	Granted	Portugal	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNPT	MP112-018	Granted	Portugal	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNPT	MP114-011	Granted	Portugal	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP112-018P1RNQA	MP112-018	Pending	Qatar	QA/201410/00358		4/27/2013			Millennium Pharmaceuticals, Inc.
MP105-003P1RNRO	MP105-003	Granted	Romania	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNRO	MP106-003	Granted	Romania	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0335

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT8948EPROO1	8948	Granted	Romania	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP12-018P1RNRRO	MP12-018	Granted	Romania	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP14-011P1RNRRO	MP14-011	Granted	Romania	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP106-003P1RNRRO	MP106-003	Granted	Russian Federation	200801784		1/31/2007	024006		Millennium Pharmaceuticals, Inc.
MP108-013P1RNRRO	MP108-013	Granted	Russian Federation	201170508		9/25/2009	030539		Millennium Pharmaceuticals, Inc.
MP11-012P1RNRRO	MP11-012	Granted	Russian Federation	201400539		11/2/2012	028380		Millennium Pharmaceuticals, Inc.
MP12-004P1RNRRO	MP12-004	Granted	Russian Federation	201400831		2/14/2013	035020		Millennium Pharmaceuticals, Inc.
MP106-003P1RNRUDV1	MP106-003	Granted	Russian Federation	201500769		1/31/2007	031335		Millennium Pharmaceuticals, Inc.
MP14-001P2RNEARU	MP14-001	Granted	Russian Federation	201691421		1/13/2015	032458		Millennium Pharmaceuticals, Inc.
MP14-011P1RNRRO	MP14-011	Granted	Russian Federation	201790108		6/30/2015	034119		Millennium Pharmaceuticals, Inc.
PAT7221RU01	7221	Granted	Russian Federation	2016503518		9/9/2016	104956		Millennium Pharmaceuticals, Inc.
PAT7221RU02	7221	Granted	Russian Federation	2016503519		9/9/2016	105251		Millennium Pharmaceuticals, Inc.
PAT13315PCTR001	MP18-017	Pending	Russian Federation	2021102613		7/9/2019			Millennium Pharmaceuticals, Inc.
MP107-013P2RNRRO	MP107-013	Granted	Russian Federation	2010107471/04		8/1/2008	2553476		Millennium Pharmaceuticals, Inc.
PAT8948EPSMO1	8948	Granted	San Marino	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0336

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP112-018P1RNSM	MP112-018	Granted	San Marino	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP107-001P1RNSA	MP107-001	Granted	Saudi Arabia	110310795		10/23/2010	3515		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNSA	MP112-018	Granted	Saudi Arabia	113340502		4/27/2013	4359		Millennium Pharmaceuticals, Inc.
PAT7221SA01	7221	Granted	Saudi Arabia	416370779		9/8/2016	5421		Millennium Pharmaceuticals, Inc.
MP105-003P1RNS	MP105-003	Granted	Serbia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNS	MP106-003	Granted	Serbia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPRS01	8948	Granted	Serbia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNS	MP112-018	Granted	Serbia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNS	MP114-011	Granted	Serbia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDRS01	7221	Granted	Serbia	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP107-001P1RNSGDV1	MP107-001	Pending	Singapore	10201407757X		11/24/2014			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP111-012P1RSGDV1	MP111-012	Pending	Singapore	10201603442W		11/2/2012			Millennium Pharmaceuticals, Inc.
MP112-018P1RNSG	MP112-018	Granted	Singapore	11201406855T		4/27/2013	11201406855T		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0337

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNSG	MP114-011	Granted	Singapore	11201610476V		6/30/2015	11201610476V		Millennium Pharmaceuticals, Inc.
MP115-016P1US	MP115-016	Pending	Singapore	11201904900X		12/13/2017			Millennium Pharmaceuticals, Inc.
PAT7221DHDSG 01	7221	Granted	Singapore	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP106-003P1RNSGDV1	MP106-003	Granted	Singapore	SG201100750-7A		2/1/2011	169369		Millennium Pharmaceuticals, Inc.
MP107-001P1RNSG	MP107-001	Granted	Singapore	SG201201873-5A		10/22/2010	179567		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP105-003P1RNSK	MP105-003	Granted	Slovak Republic	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNSK	MP106-003	Granted	Slovak Republic	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPSK01	8948	Granted	Slovak Republic	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNSK	MP112-018	Granted	Slovak Republic	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNSK	MP114-011	Granted	Slovak Republic	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP105-003P1RNSI	MP105-003	Granted	Slovenia	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNSI	MP106-003	Granted	Slovenia	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
PAT8948EPSI01	8948	Granted	Slovenia	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP112-018P1RNSI	MP112-018	Granted	Slovenia	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0338

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP114-011P1RNSI	MP114-011	Granted	Slovenia	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP102-060P1RNZA_3666ZA0P	MP102-060	Granted	South Africa	2004/09131		5/21/2003	2004/09131		Millennium Pharmaceuticals, Inc.
MP106-003P1RNZA	MP106-003	Granted	South Africa	2008/06402		1/31/2007	2008/06402		Millennium Pharmaceuticals, Inc.
MP107-013P2RNZA	MP107-013	Granted	South Africa	2010/00482		8/1/2008	2010/00482		Millennium Pharmaceuticals, Inc.
MP107-001P1RNZA	MP107-001	Granted	South Africa	2012/01944		10/22/2010	2012/01944		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP111-012P1RZA	MP111-012	Granted	South Africa	2014/03515		11/2/2012	2014/03515		Millennium Pharmaceuticals, Inc.
MP112-018P1RNZA	MP112-018	Granted	South Africa	2014/07723		4/27/2013	2014/07723		Millennium Pharmaceuticals, Inc.
PAT7221ZA01	7221	Granted	South Africa	2016/01305		9/8/2016	A2016/01305		Millennium Pharmaceuticals, Inc.
MP114-011P1RNZA	MP114-011	Granted	South Africa	2017/00386		6/30/2015	2017/00386		Millennium Pharmaceuticals, Inc.
MP105-003P1RNES	MP105-003	Granted	Spain	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNES	MP106-003	Granted	Spain	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNES	MP107-013	Granted	Spain	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP107-001P1RNES	MP107-001	Granted	Spain	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0339

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNESDV1	MP106-003	Granted	Spain	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
PAT8948EPES01	8948	Granted	Spain	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP107-013P2RNESDV1	MP107-013	Granted	Spain	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNESDV2	MP107-013	Granted	Spain	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNESDV3	MP107-013	Granted	Spain	12172365.4		8/1/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNES2	MP111-009	Granted	Spain	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP112-018P1RNES	MP112-018	Granted	Spain	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNES	MP114-011	Granted	Spain	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP112-004P1RNESDV1	MP112-004	Granted	Spain	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
MP105-003P1RNSE	MP105-003	Granted	Sweden	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNSE	MP106-003	Granted	Sweden	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0340

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNSE	MP107-001	Granted	Sweden	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPSE01	8948	Granted	Sweden	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP111-012P1RSE	MP111-012	Granted	Sweden	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP112-018P1RNSE	MP112-018	Granted	Sweden	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNSE	MP114-011	Granted	Sweden	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCH	MP102-060	Granted	Switzerland	03755422.7		5/21/2003	EP1507756		Millennium Pharmaceuticals, Inc.
MP105-003P1RNCH	MP105-003	Granted	Switzerland	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCH	MP106-003	Granted	Switzerland	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCH	MP107-013	Granted	Switzerland	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP108-013P1RNCH	MP108-013	Granted	Switzerland	09789372.1		9/25/2009	EP2346882		Millennium Pharmaceuticals, Inc.
MP108-018P1RNCHM	MP108-018	Granted	Switzerland	09795577.7		12/4/2009	EP2373657		Millennium Pharmaceuticals, Inc.
MP108-003P1CHM	MP108-003	Granted	Switzerland	09812449.8		5/14/2009	EP2297347		Millennium Pharmaceuticals, Inc.
MP107-001P1RNCH	MP107-001	Granted	Switzerland	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia

PATENT

REEL: 060402 FRAME: 0341

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNCHDV1	MP106-003	Granted	Switzerland	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
PAT8948EPCHO1	8948	Granted	Switzerland	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCCHDV1	MP107-013	Granted	Switzerland	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCCHDV2	MP107-013	Granted	Switzerland	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNCCHDV3	MP107-013	Granted	Switzerland	12172365.4		8/1/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNCH2	MP111-009	Granted	Switzerland	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RCH	MP111-012	Granted	Switzerland	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP111-015P2RNCCH	MP111-015	Granted	Switzerland	12847968.0		11/9/2012	EP2776043		Millennium Pharmaceuticals, Inc.
MP112-005P1RNCH	MP112-005	Granted	Switzerland	13741424.9		1/23/2013	EP2810066		Millennium Pharmaceuticals, Inc.
MP112-018P1RNCH	MP112-018	Granted	Switzerland	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP112-023P1RNCH	MP112-023	Granted	Switzerland	13843965.8		10/1/2013	EP2904115		Millennium Pharmaceuticals, Inc.
MP114-011P1RNCH	MP114-011	Granted	Switzerland	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0342

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-004P1RNCHDV1	MP112-004	Granted	Switzerland	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
PAT72221DHDC H01	7221	Granted	Switzerland	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP106-003P1RNTW	MP106-003	Granted	Taiwan	096103917		2/2/2007	1510486		Millennium Pharmaceuticals, Inc.
MP107-013P2RNTW	MP107-013	Granted	Taiwan	097129447		8/1/2008	1426077		Millennium Pharmaceuticals, Inc.
MP107-001P1RNTW	MP107-001	Granted	Taiwan	099136206		10/22/2010	1483736		Pharmaceuticals, Inc. US; Amgen British Columbia
MP112-018P1RNTW	MP112-018	Granted	Taiwan	102115363		4/29/2013	1631137		Millennium Pharmaceuticals, Inc.
MP114-001P2RNTW	MP114-001	Granted	Taiwan	104101242		1/14/2015	1662024		Millennium Pharmaceuticals, Inc.
MP107-001P1RNTWDV1	MP107-001	Granted	Taiwan	104108678		10/22/2010	1583394		Millennium Pharmaceuticals, Inc. US; Amgen British Columbia
MP114-011P1NTW	MP114-011	Granted	Taiwan	104121240		6/30/2015	1680970		Millennium Pharmaceuticals, Inc.
PAT72221TW01	7221	Granted	Taiwan	105305300		9/8/2016	D186055		Millennium Pharmaceuticals, Inc.
PAT72221TW02	7221	Granted	Taiwan	105305301		9/8/2016	D186056		Millennium Pharmaceuticals, Inc.
MP118-017P1NTW	MP118-017	Pending	Taiwan	108124148		7/9/2019			Millennium Pharmaceuticals, Inc.
MP118-031P1TW	MP118-031	Pending	Taiwan	109102900		1/30/2020			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0343

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP119-003P1NTW	MP119-003	Pending	Taiwan	109106512		2/27/2020			Millennium Pharmaceuticals, Inc.
MP107-001P1RNTH	MP107-001	Pending	Thailand	1201001477		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNTH	MP112-018	Pending	Thailand	1401006471		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1RNTH	MP114-011	Pending	Thailand	1601007759		6/30/2015			Millennium Pharmaceuticals, Inc.
PAT7221TH01	7221	Granted	Thailand	1602003464		9/9/2016	63077		Millennium Pharmaceuticals, Inc.
MP105-003P1RNTR	MP105-003	Granted	Turkey	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNTR	MP106-003	Granted	Turkey	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-001P1RNTR	MP107-001	Granted	Turkey	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948EPTR01	8948	Granted	Turkey	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP111-012P1RTR	MP111-012	Granted	Turkey	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP112-018P1RNTR	MP112-018	Granted	Turkey	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP114-011P1RNTR	MP114-011	Granted	Turkey	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT7221DHDTR01	7221	Granted	Turkey	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0344

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
PAT7221DHD1	7221	Granted	Turkmenistan	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP107-001P1RNAUA	MP107-001	Granted	Ukraine	a201203867		10/22/2010	108991		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP111-012P1RUA	MP111-012	Granted	Ukraine	a201405842		11/2/2012	114414		Millennium Pharmaceuticals, Inc.
MP112-018P1RNAUA	MP112-018	Granted	Ukraine	a201412715		4/27/2013	117910		Millennium Pharmaceuticals, Inc.
MP114-011P1RNAUA	MP114-011	Granted	Ukraine	a201700861		6/30/2015	122963		Millennium Pharmaceuticals, Inc.
PAT7221DHD1A01	7221	Granted	Ukraine	DM/092744		9/2/2016	DM/092744		Millennium Pharmaceuticals, Inc.
MP112-018P1RNAE	MP112-018	Pending	United Arab Emirates	1159/2014		4/27/2013			Millennium Pharmaceuticals, Inc.
PAT7221AE01	7221	Granted	United Arab Emirates	D472/16		9/8/2016	4369		Millennium Pharmaceuticals, Inc.
MP102-060P1RNGB	MP102-060	Granted	United Kingdom	03755422.7		5/21/2003	EP1507756		Millennium Pharmaceuticals, Inc.
MP105-003P1RNGB	MP105-003	Granted	United Kingdom	06734691.6		2/2/2006	EP1848718		Millennium Pharmaceuticals, Inc.
MP106-003P1RNGB	MP106-003	Granted	United Kingdom	07763239.6		1/31/2007	EP1989206		Millennium Pharmaceuticals, Inc.
MP107-013P2RNGB	MP107-013	Granted	United Kingdom	08832973.5		8/1/2008	EP2178880		Millennium Pharmaceuticals, Inc.
MP108-013P1RNGB	MP108-013	Granted	United Kingdom	09789372.1		9/25/2009	EP2346882		Millennium Pharmaceuticals, Inc.
MP108-018P1RNGBM	MP108-018	Granted	United Kingdom	09795577.7		12/4/2009	EP2373657		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0345

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
MP108-003P1GBM	MP108-003	Granted	United Kingdom	09812449.8		5/14/2009	EP2297347		Millennium Pharmaceuticals, Inc.
MP107-001P1RNGB	MP107-001	Granted	United Kingdom	10825726.2		10/22/2010	EP2490720		Millennium Pharmaceuticals, Inc.; Amgen British Columbi
MP106-003P1RNGBDV1	MP106-003	Granted	United Kingdom	11166220.1		1/31/2007	EP2402334		Millennium Pharmaceuticals, Inc.
PAT8948EPGB01	8948	Granted	United Kingdom	11728491.9		6/17/2011	EP2582701		Millennium Pharmaceuticals, Inc.
MP107-013P2RNGBDV1	MP107-013	Granted	United Kingdom	12172363.9		8/1/2008	EP2546256		Millennium Pharmaceuticals, Inc.
MP107-013P2RNGBDV2	MP107-013	Granted	United Kingdom	12172364.7		8/1/2008	EP2540726		Millennium Pharmaceuticals, Inc.
MP107-013P2RNGBDV3	MP107-013	Granted	United Kingdom	12172365.4		8/1/2008	EP2540727		Millennium Pharmaceuticals, Inc.
MP111-009P1RNGB2	MP111-009	Granted	United Kingdom	12844605.1		10/26/2012	EP2775844		Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital
MP111-012P1RGB	MP111-012	Granted	United Kingdom	12844799.2		11/2/2012	EP2773360		Millennium Pharmaceuticals, Inc.
MP111-015P2RNGB	MP111-015	Granted	United Kingdom	12847968.0		11/9/2012	EP2776043		Millennium Pharmaceuticals, Inc.
MP112-005P1RNGB	MP112-005	Granted	United Kingdom	13741424.9		1/23/2013	EP2810066		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0346

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP112-018P1RNGB	MP112-018	Granted	United Kingdom	13782061.9		4/27/2013	EP2841575		Millennium Pharmaceuticals, Inc.
MP112-023P1RNGB	MP112-023	Granted	United Kingdom	13843965.8		10/1/2013	EP2904115		Millennium Pharmaceuticals, Inc.
PAT9730EPGB01	MP113-005	Granted	United Kingdom	14797156.8		5/13/2014	EP2996773		Millennium Pharmaceuticals, Inc.
MP114-011P1RNGB	MP114-011	Granted	United Kingdom	15815330.4		6/30/2015	EP3164130		Millennium Pharmaceuticals, Inc.
PAT11893EPGB01	MP114-020	Granted	United Kingdom	15854199.5		10/23/2015	EP3212651		Millennium Pharmaceuticals, Inc.
PAT9900EPGB01	MP109-007	Granted	United Kingdom	16159438.7		5/13/2010	EP3091020		Millennium Pharmaceuticals, Inc.
MP112-004P1RNGBDV1	MP112-004	Granted	United Kingdom	16205139.5		2/14/2013	EP3173413		Millennium Pharmaceuticals, Inc.
PAT11329EPGB02	MP114-011	Granted	United Kingdom	19153547.5		6/30/2015	EP3517112		Millennium Pharmaceuticals, Inc.
PAT7823EPGB03	MP112-004	Granted	United Kingdom	19170607.6		2/14/2013	EP3536692		Millennium Pharmaceuticals, Inc.
MP193-006CP1DV1E	MP193-006	Granted	USA	08/486673		6/7/1995	6297026		Millennium Pharmaceuticals, Inc.
MP199-312RCEM	MP199-312	Granted	USA	09/231759		1/15/1999	6488930		Millennium Pharmaceuticals, Inc.
MP101-244P2R	MP101-244	Granted	USA	10/272899		10/17/2002	7053202		Millennium Pharmaceuticals, Inc.
MP102-060P1RN_3666USON	MP102-060	Granted	USA	10/443155		5/21/2003	7238717		Millennium Pharmaceuticals, Inc.
MP102-110P1RNRCEM	MP102-110	Granted	USA	10/678872		10/3/2003	7211672		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0347

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP102-176P1RNM	MP102-176	Granted	USA	10/744585		12/23/2003	7378525		Millennium Pharmaceuticals, Inc.
MP103-043P1RNCCEM	MP103-043	Granted	USA	10/821545		4/9/2004	7727985		Millennium Pharmaceuticals, Inc.
MP102-176P1RNCPLM	MP102-176	Granted	USA	10/891362		7/14/2004	7491827		Millennium Pharmaceuticals, Inc.
MP102-110P1RNCPLIO	MP102-110	Granted	USA	11/101208		4/7/2005	7504508		Millennium Pharmaceuticals, Inc.
MP104-003P1RNCCEM	MP104-003	Granted	USA	11/101998		4/8/2005	7951801		Millennium Pharmaceuticals, Inc.
MP105-003P1RN	MP105-003	Granted	USA	11/346469		2/2/2006	7951810		Millennium Pharmaceuticals, Inc.
MP105-005P1RNM	MP105-005	Granted	USA	11/360885		2/23/2006	7951950		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN2_3									Millennium Pharmaceuticals, Inc.
666US1N	MP102-060	Granted	USA	11/391633		3/28/2006	7282502		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN1_3									Millennium Pharmaceuticals, Inc.
666US2N	MP102-060	Inactive	USA	11/601025		11/17/2006			Millennium Pharmaceuticals, Inc.
MP105-021P1RNM	MP105-021	Granted	USA	11/636609		12/7/2006	8110687		Millennium Pharmaceuticals, Inc.
MP106-003P1RNCCE	MP106-003	Granted	USA	11/700614		1/31/2007	8207177		Millennium Pharmaceuticals, Inc.
MP106-015P1RN	MP106-015	Granted	USA	11/890338		8/6/2007	8008307		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0348

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
MP106-016P1RRCE	MP106-016	Granted	USA	11/890406		8/6/2007	7718648		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN2D V1_3666US3N	MP102-060	Inactive	USA	11/974850		10/16/2007	7659272		Millennium Pharmaceuticals, Inc.
MP107-013P2RN	MP107-013	Granted	USA	12/221399		8/1/2008	8933225		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN1CN 1RCE_3666US4 N	MP102-060	Inactive	USA	12/288075		10/16/2008	7820717		Millennium Pharmaceuticals, Inc.
MP108-013P1RN	MP108-013	Granted	USA	12/586650		9/25/2009	8664200		Millennium Pharmaceuticals, Inc.
MP108-018P1RNM	MP108-018	Granted	USA	12/631144		12/4/2009	7998952		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN2D V1CN1_3666US 7N	MP102-060	Granted	USA	12/640439		12/17/2009	7999109		Millennium Pharmaceuticals, Inc.
MP101-244P2RCp1CN2	MP101-244	Granted	USA	12/694230		1/26/2010	8753828		Millennium Pharmaceuticals, Inc.
MP109-007P1RRNCE	MP109-007	Granted	USA	12/779331		5/13/2010	9187482		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN2D V1CN2_3666US 8N	MP102-060	Inactive	USA	12/869070		8/26/2010			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0349

Schedule A

Patent Ref	Family	Status	Country	Application No	Infrs Specific App No	Filed Date	Patent No	Infrs Specific Patent No	Current Owners
MP107-001P1RN	MP107-001	Granted	USA	12/910393		10/22/2010	8785600		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT8948PRIUS02	8948	Granted	USA	13/163592		6/17/2011	8691836		Millennium Pharmaceuticals, Inc.
PAT8948PRIUS02	8948	Granted	USA	13/163592		6/17/2011	8691836		Millennium Pharmaceuticals, Inc.
MP108-018P1RNCN1M	MP108-018	Granted	USA	13/173161		6/30/2011	8268992		Millennium Pharmaceuticals, Inc.
MP106-015P1RNCN1	MP106-015	Granted	USA	13/216352		8/24/2011	8481550		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN1CN3_3666US9N	MP102-060	Inactive	USA	13/221315		8/30/2011	8569543		Millennium Pharmaceuticals, Inc.
MP108-018P1RNCN2M	MP108-018	Granted	USA	13/570486		8/9/2012	8507667		Millennium Pharmaceuticals, Inc.
MP111-011P1R	MP111-011	Granted	USA	13/592389		8/23/2012	8809356		Millennium Pharmaceuticals, Inc.
MP105-009P1RNCN1M	MP105-009	Granted	USA	13/600260		8/31/2012	8889354		Millennium Pharmaceuticals, Inc.
MP111-012P1RRCE	MP111-012	Granted	USA	13/667641		11/2/2012	8980850		Millennium Pharmaceuticals, Inc.
MP112-004P1RNRCE	MP112-004	Granted	USA	13/767314		2/14/2013	9290500		Millennium Pharmaceuticals, Inc.
MP112-018P1RN	MP112-018	Granted	USA	13/872080		4/27/2013	9000129		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0350

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-015P1RNCN1D V1	MP106-015	Granted	USA	13/911415		6/6/2013	8901136		Millennium Pharmaceuticals, Inc.
MP102-060P1RNCN1CN 4_3666USAN	MP102-060	Granted	USA	14/049452		10/9/2013	9035096		Millennium Pharmaceuticals, Inc.
MP108-013P1RNDV1RC E	MP108-013	Granted	USA	14/153752		1/13/2014	9771381		Millennium Pharmaceuticals, Inc.
PAT8948CONUS 03	8948	Granted	USA	14/184615		2/19/2014	9156840		Millennium Pharmaceuticals, Inc.
PAT8948CONUS 03	8948	Granted	USA	14/184615		2/19/2014	9156840		Millennium Pharmaceuticals, Inc.
MP101-244P2RCP1CN2 CN1M	MP101-244	Granted	USA	14/271107		5/6/2014	9353184		Millennium Pharmaceuticals, Inc.
MP111-011P1RUSCN1	MP111-011	Granted	USA	14/326051		7/8/2014	9850214		Millennium Pharmaceuticals, Inc.
MP111-015P2RNUSRCE 2	MP111-015	Granted	USA	14/356974		5/8/2014	9920373		Millennium Pharmaceuticals, Inc.
MP112-020P1RNUSM	MP112-020	Granted	USA	14/419000		2/2/2015	9593121		Millennium Pharmaceuticals, Inc.
MP112-023P1RNUSRCE	MP112-023	Granted	USA	14/432587		10/1/2013	10662477		Millennium Pharmaceuticals, Inc.
MP106-015P1RNCN1D V1A	MP106-015	Granted	USA	14/480513		9/8/2014	9150525		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0351

Schedule A

Patent Ref	Family	Status	Country	Application No	Intr-Specific App No	Filed Date	Patent No	Intr-Specific Patent No	Current Owners
MP105-009P1RNCN2M	MP105-009	Granted	USA	14/516719		10/17/2014	9963747		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDV1	MP107-013	Granted	USA	14/552883		11/25/2014	9802938		Millennium Pharmaceuticals, Inc.
MP114-001P2RNRCE2	MP114-001	Granted	USA	14/596052		1/13/2015	9802960		Millennium Pharmaceuticals, Inc.
MP112-018P1RNDV1	MP112-018	Granted	USA	14/634438		2/27/2015	9273146		Millennium Pharmaceuticals, Inc.
MP114-011P1RNRCE2	MP114-011	Granted	USA	14/788675		6/30/2015	9683003		Millennium Pharmaceuticals, Inc.
MP106-015P1RNCN1D V1B	MP106-015	Granted	USA	14/827556		8/17/2015	9458108		Millennium Pharmaceuticals, Inc.
MP109-007P1RNDV1RC E	MP109-007	Granted	USA	14/879151		10/9/2015	10016427		Millennium Pharmaceuticals, Inc.
MP113-011P1RNU S	MP113-011	Granted	USA	14/901809		7/1/2014	9695154		Millennium Pharmaceuticals, Inc.
MP113-004P2NUS	MP113-004	Granted	USA	15/025906		10/6/2014	9695174		Millennium Pharmaceuticals, Inc.
MP112-004P1RNDV1	MP112-004	Granted	USA	15/048007		2/19/2016	9663525		Millennium Pharmaceuticals, Inc.
MP114-002P2RNU S	MP114-002	Granted	USA	15/111429		1/13/2015	10202373		Millennium Pharmaceuticals, Inc.
MP111-009P1RNU S2CN 1RCE	MP111-009	Pending	USA	15/173393		6/3/2016			Millennium Pharmaceuticals, Inc.; Massachusetts General Hospital

PATENT

REEL: 060402 FRAME: 0352

Schedule A

Parent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-015P1RNCN1D V4RCE	MP106-015	Granted	USA	15/249851		8/29/2016	9718788		Millennium Pharmaceuticals, Inc.
MP114-001P2RNCN1	MP114-001	Granted	USA	15/347334		11/9/2016	9751854		Millennium Pharmaceuticals, Inc.
MP114-011P1RNDV1RCE	MP114-011	Granted	USA	15/488795		4/17/2017	9962386		Millennium Pharmaceuticals, Inc.
MP112-004P1RNDV2	MP112-004	Granted	USA	15/488800		4/17/2017	9796725		Millennium Pharmaceuticals, Inc.
MP114-019P1NUSRCE2	MP114-019	Inactive	USA	15/522715		10/23/2015			Millennium Pharmaceuticals, Inc.
MP114-020P2NUS	MP114-020	Granted	USA	15/522717		10/23/2015	10335411		Millennium Pharmaceuticals, Inc.
MP114-029P3NUS	MP114-029	Inactive	USA	15/538869		12/23/2015			Millennium Pharmaceuticals, Inc.
MP115-003P2NUS	MP115-003	Granted	USA	15/550132		2/10/2016	10072029		Millennium Pharmaceuticals, Inc.
MP115-004P1US	MP115-004	Pending	USA	15/551093		2/16/2016			Millennium Pharmaceuticals, Inc.
MP115-002P2NUS	MP115-002	Pending	USA	15/556186		3/4/2016			Millennium Pharmaceuticals, Inc.
MP105-003P1RNDV2C N1DV1	MP105-003	Inactive	USA	15/645685		7/10/2017			Millennium Pharmaceuticals, Inc.
MP114-001P2RNCN2	MP114-001	Granted	USA	15/665506		8/1/2017	10538533		Millennium Pharmaceuticals, Inc.
MP108-013P1RNDV1RCECN1	MP108-013	Granted	USA	15/680514		8/18/2017	10035811		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0353

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
MP112-004P1RNDV3	MP112-004	Granted	USA	15/699818		9/8/2017	10202389		Millennium Pharmaceuticals, Inc.
MP107-013P2RNDV2RC	MP107-013	Granted	USA	15/713293		9/22/2017	10745404		Millennium Pharmaceuticals, Inc.
MP115-015P1NUS	MP115-015	Pending	USA	15/772954		11/4/2016			Millennium Pharmaceuticals, Inc.; Celgene Corporation
MP114-011P1RNDV2	MP114-011	Granted	USA	15/923015		3/16/2018	10335410		Millennium Pharmaceuticals, Inc.
MP113-005P3RNUSRCEN1	MP113-005	Granted	USA	15/980165		5/15/2018	10786505		Millennium Pharmaceuticals, Inc.
MP111-013P2WOUSCN1	MP111-013	Pending	USA	15/997158		6/4/2018			Millennium Pharmaceuticals, Inc.
MP107-001P1RNCN1RCE2DV1	MP107-001	Pending	USA	16/029101		7/6/2018			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP116-018P1NZ	MP116-018	Pending	USA	16/086405		3/21/2017			Millennium Pharmaceuticals, Inc.
MP116-008P1US	MP116-008	Pending	USA	16/087246		3/24/2017			Millennium Pharmaceuticals, Inc.
MP116-009P1NUS	MP116-009	Pending	USA	16/098572		5/4/2017			Millennium Pharmaceuticals, Inc.; Icahn School of Medicine at Mount Sinai

PATENT

REEL: 060402 FRAME: 0354

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP106-003P1RNDV4	MP106-003	Pending	USA	16/135380		9/19/2018			Millennium Pharmaceuticals, Inc.
MP14-022P1USCN1	MP14-022	Pending	USA	16/297990		3/11/2019			Millennium Pharmaceuticals, Inc.
MP16-013P1NUS	MP16-013	Pending	USA	16/309002		6/12/2017			Millennium Pharmaceuticals, Inc.
MP16-015P1US	MP16-015	Pending	USA	16/322244		8/3/2017			Millennium Pharmaceuticals, Inc.
MP16-017P1US	MP16-017	Granted	USA	16/348940		11/10/2017	10865208		Millennium Pharmaceuticals, Inc.
MP16-014P3US	MP16-014	Pending	USA	16/349499		11/13/2017			Millennium Pharmaceuticals, Inc.
MP14-011P1RNDV2C N1	MP14-011	Granted	USA	16/391534		4/23/2019	10780090		Millennium Pharmaceuticals, Inc.
MP14-029P3NUSCN1	MP14-029	Pending	USA	16/455103		6/27/2019			Millennium Pharmaceuticals, Inc.
MP16-018P1EA PAT8360PCTUS 04	MP16-018	Pending	USA	16/467524		12/13/2017			Millennium Pharmaceuticals, Inc.
MP17-009P1US	MP17-009	Pending	USA	16/610863		5/11/2018			Millennium Pharmaceuticals, Inc.
MP18-031P1R	MP18-031	Pending	USA	16/751107		1/23/2020			Millennium Pharmaceuticals, Inc.
MP17-036P1US	MP17-036	Pending	USA	16/766397		11/30/2018			Millennium Pharmaceuticals, Inc.
MP105-003P1RND2C1D 1C1	MP105-003	Pending	USA	16/855863		4/22/2020			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0355

Schedule A

Patent Ref	Family	Status	Country	Application No	Ints Specific App No	Filed Date	Patent No	Ints Specific Patent No	Current Owners
PAT13300PCTU S02	MP18-014	Pending	USA	17/059026		5/28/2019			Millennium Pharmaceuticals, Inc.
PAT13315PCTU S02	MP18-017	Pending	USA	17/258845		7/9/2019			Millennium Pharmaceuticals, Inc.
PAT8948PRIUS0 1PRO	8948	Inactive	USA	61/356096		6/18/2010			Millennium Pharmaceuticals, Inc.
PAT8948PRIUS0 1PRO	8948	Inactive	USA	61/356096		6/18/2010			Millennium Pharmaceuticals, Inc.
PAT8360PRIUS0 1PRO	8360	Inactive	USA	62/505628		5/12/2017			Millennium Pharmaceuticals, Inc.
PAT8360PRIUS0 2PRO	8360	Inactive	USA	62/505662		5/12/2017			Millennium Pharmaceuticals, Inc.
PAT8360PRIUS0 3PRO	8360	Inactive	USA	62/547686		8/18/2017			Millennium Pharmaceuticals, Inc.
MP19-001P1	MP19-001	Inactive	USA	62/869585		7/2/2019			Millennium Pharmaceuticals, Inc.
MP120-003P1	MP120-003	Inactive	USA	62/964074		1/21/2020			Millennium Pharmaceuticals, Inc.
MP120-008P1	MP120-008	Inactive	USA	62/983511		2/28/2020			Millennium Pharmaceuticals, Inc.
MP120-006P1	MP120-006	Inactive	USA	62/993532		3/23/2020			Millennium Pharmaceuticals, Inc.
MP120-009P1	MP120-009	Inactive	USA	63/004979		4/3/2020			Millennium Pharmaceuticals, Inc.
MP120-013P1	MP120-013	Inactive	USA	63/005043		4/3/2020			Millennium Pharmaceuticals, Inc.
PAT7221VE01	7221	Pending	Venezuela	446-16		9/9/2016			Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0356

Schedule A

Patent Ref	Family	Status	Country	Application No	Int's Specific App No	Filed Date	Patent No	Int's Specific Patent No	Current Owners
MP107-001P1RNVN	MP107-001	Granted	Vietnam	1-2012-00880		10/22/2010	1-0021857-000		Millennium Pharmaceuticals, Inc.; Amgen British Columbia
MP112-018P1RNVN	MP112-018	Pending	Vietnam	1-2014-03971		4/27/2013			Millennium Pharmaceuticals, Inc.
MP114-011P1RNVN	MP114-011	Pending	Vietnam	1-2017-00303		6/30/2015			Millennium Pharmaceuticals, Inc.
MP107-001P1RNVNDV1	MP107-001	Pending	Vietnam	1-2019-03004		10/22/2010			Millennium Pharmaceuticals, Inc.; Amgen British Columbia
PAT7221VN01	7221	Granted	Vietnam	3-2016-01837		9/9/2016	3-0025720-000		Millennium Pharmaceuticals, Inc.

PATENT

REEL: 060402 FRAME: 0357

RECORDED: 06/22/2022