

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2987946

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HMR PHARMA, INC.	12/28/2001
RECEIVING PARTY DATA	
Name:	AVENTIS HOLDINGS INC.
Street Address:	3711 KENNETT PIKE
Internal Address:	SUITE 200
City:	GREENVILLE
State/Country:	DELAWARE
Postal Code:	19807
PROPERTY NUMBERS Total: 12	
Property Type	Number
Patent Number:	6140345
Patent Number:	5811430
Patent Number:	5977140
Patent Number:	6110938
Patent Number:	5811435
Patent Number:	5919798
Patent Number:	6043240
Patent Number:	5998417
Patent Number:	5663449
Patent Number:	5977113
Patent Number:	5776963
Patent Number:	RE39198
CORRESPONDENCE DATA	
Fax Number:	(908)981-7830
<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:	908-981-6998
Email:	USPATENT.E-FILING@SANOFI.COM
Correspondent Name:	ROBIN J. INMAN
Address Line 1:	55 CORPORATE DRIVE

PATENT

Address Line 2:	MAIL CODE: 55A-505A
Address Line 4:	BRIDGEWATER, NEW JERSEY 08807

ATTORNEY DOCKET NUMBER:	USHR1161: HMRPHARMA - AHI
NAME OF SUBMITTER:	ROBIN J. INMAN
SIGNATURE:	/ROBIN J INMAN/
DATE SIGNED:	08/19/2014

Total Attachments: 41

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PATENT

REEL: 033566 FRAME: 0045

CONFIRMATION OF ASSIGNMENT

from API to HMR Pharma, Inc and
from HMR Pharma, Inc to AHI

Preamble:

The corporate address of **Aventis Pharmaceuticals Inc. (hereinafter API)** is 55 Corporate Drive, Bridgewater, New Jersey 08807 USA.

The corporate address of **HMR Pharma, Inc., (hereinafter HMRPI)** was 3711 Kennett Pike, Suite 200, Greenville, Delaware 19807 USA.

The corporate address of **Aventis Holdings Inc., (hereinafter AHI)** is 3711 Kennett Pike, Suite 200, Greenville, Delaware 19807 USA.

The present confirmation of assignment document is made in order to confirm the steps in the "Global Assignment and Assumption" document, signed on December 28, 2001 (i.e. from API to HMRPI and from HMRPI to AHI), since **HMR Pharma Inc.** no longer exists as a legal entity. A copy of the Global Assignment and Assumption is attached and made part of this confirmation.

As part of a corporate restructuring HMRPI acquired by transfer/assignment the assets, rights and liabilities of API before HMRPI assigned its rights to AHI.

This confirmation of assignment is being executed in order to proceed with the registration of the successive transfer/assignment steps from API to HMRPI and from HMRPI to AHI into the Patent Registers of the appropriate countries/organizations.

Confirmation: **API to HMR Pharma, Inc:**

We, the undersigned, **Aventis Pharmaceuticals Inc.,** a Delaware corporation, having its principal place of business at 55 Corporate Drive, Bridgewater, New Jersey, USA, hereby confirm that all our rights in respect of the **patents/patent applications listed in the attached portfolio** have been transferred by merger succession and assignment on December 28, 2001 to **HMR Pharma Inc.** having its principal place of business at 3711 Kennett Pike, Suite 200, Greenville, Delaware 19807. This transfer by merger succession/assignment was made in consideration of a sum of USD 5000 which had been paid by HRM Pharma, Inc.

Confirmation: **HMR Pharma, Inc to AHI:**

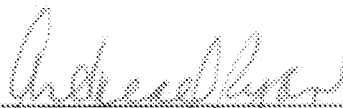
Aventis Holdings Inc. a Delaware corporation, having its principal place of business at , 3711 Kennett Pike, Suite 200, Greenville, Delaware 19807, USA, hereby confirms the earlier "Global Assignment and Assumption" document, i.e. that all the rights and assets of the intellectual property rights in respect of the **patents/patent applications listed in the attached portfolio** were acquired by assignment on December 28, 2001 from **HMR Pharma Inc.,** having its principal place of business at 3711 Kennett Pike, Suite 200, Greenville, Delaware 19807. This assignment was made as a contribution to the capital of HMRI, in 2001 a wholly-owned subsidiary of AHI.

Furthermore, in view of the Global Assignment and Assumption document we, hereby confirm that all rights to the patents/patent applications, **listed in the attached portfolio**, reside solely with **Aventis Holdings Inc.**

Place: Bridgewater, New Jersey USA

Date: November 24, 2008

Signature of the authorized officer of API:

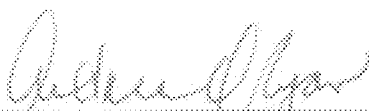

Andrea Q. Ryan (Assistant Secretary)

Stamp of the company (if any):

Place: Bridgewater, New Jersey USA

Date: November 24, 2008

Signature of the authorized officer of AHE:


Andrea Q. Ryan (Secretary)

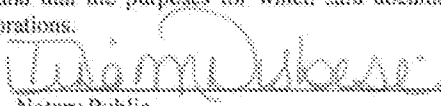
Stamp of the company (if any):

NOTARIAL CERTIFICATE

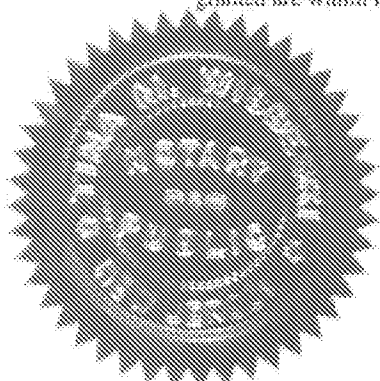
UNITED STATES OF AMERICA)
STATE OF NEW JERSEY) ss.
COUNTY OF SOMERSET)

On this 24th day of November, 2008, personally appeared before me, Andrea Q. Ryan, Assistant Secretary of Aventis Pharmaceuticals Inc., AND Secretary, of Aventis Holdings Inc., known or identified to me to be the individual described in and who executed the foregoing document, Confirmation of Assignment, and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporations, both incorporated under the laws of the State of Delaware, United States of America.

I further certify that said authority for Aventis Pharmaceuticals Inc., dated December 19, 2003, is based on a Resolution of the Board of Directors of said Corporation, which I have seen, appointing said individual Assistant Secretary; and said authority for Aventis Holdings Inc., dated December 21, 2005, is based on a Unanimous Written Consent of Board of Directors of said Corporation, appointing the said individual Secretary, each giving full power to sign the foregoing document on behalf of the said Corporations and that the purposes for which said document is granted are within the scope of the objects or activities of said Corporations.


Notary Public

Tina M. Wisbeski
Notary Public, State of New Jersey
My Commission Expires August 5, 2009



GLOBAL ASSIGNMENT AND ASSUMPTION

(HMR to AH)
(Step 4)

THIS GLOBAL ASSIGNMENT AND ASSUMPTION (this "Assignment") is made as of December 28, 2001 by and between HMR Pharma, Inc., a Delaware corporation ("Assignor"), and Aventis Holdings Inc., a Delaware corporation ("Assignee").

BACKGROUND

A. As part of a corporate restructuring, Assignor has succeeded to the assets and liabilities of Aventis Pharmaceuticals Inc. ("API"); and

B. Also, as part of this corporate restructuring, Assignor desires to assign, transfer and set over to Assignee all of its right, title and interest in and to the Assigned Assets and Liabilities and Assignee desires to assume and accept the same; and

- C. The "Assigned Assets and Liabilities" shall include:
- All of the assets and liabilities as set forth on Schedule A;
 - All intellectual property rights (including patent, trademark, know-how and other proprietary rights of Assignor, including those rights acquired as successor-in-interest to API's assets and liabilities, but excluding those intellectual property rights in-licensed to Assignor (directly or as a successor-in-interest to API's assets and liabilities); and
 - All contracts or agreements related to the foregoing.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee, intending to be legally bound hereby, covenant and agree as follows:

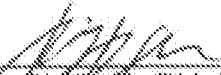
- Assignor hereby assigns, transfers and sets over to Assignee all of its right, title and interest in the Assigned Assets and Liabilities, and Assignee hereby assumes the Assigned Assets and Liabilities.
- This Assignment shall be binding upon the parties hereto and their respective successors and assigns.
- The Assignment made hereunder is intended to be a tax-free exchange pursuant to Section 351 of the Internal Revenue Code.
- This Assignment shall be construed and enforced in accordance with the laws of the State of Delaware.

5. This Assignment may be executed in counterpart, each of which shall be an original, and together which shall constitute one agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date first above written.

Assignor:

HMR PHARMA, INC.

By: 
Name: Phillip R. Ridolfi
Title: President

Assignee:

AVENTIS HOLDINGS INC.

By: 
Name: Phillip R. Ridolfi
Title: President

EXHIBIT A

Redacted

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2018	AL	EEP	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2034	AL	EEP	AL/P/2007/2418	8-Jan-01			8-Jan-21	FILED
USHR-1267	AL	EEP	96923693.4-2107	8-Jul-96	ALP02307	5-Jun-03	8-Jul-16	GRANTED
USM01843	AL	EEP	97907698.1	21-Feb-97	ALP0100298	26-Jun-02	21-Feb-17	GRANTED
USM01845	AL	EEP	97907998.5	3-Mar-97	ALP0200337	30-Jan-02	3-Mar-17	GRANTED
USM01846	AL	EEP	97935308.3	4-Aug-97	AL/P/0200323	4-Dec-02	4-Aug-17	GRANTED
USHMR2017	AP	APT	AP/P/00/01923	18-Feb-99	AP1258	15-Mar-04	18-Feb-19	GRANTED
USHMR2025	AP	APT	AP/P/01/02198	22-Nov-99	AP1769	31-Aug-07	22-Nov-19	GRANTED
USHMR2034	AR	NP	P010100185	17-Jan-01			17-Jan-21	FILED
USHMR2037	AR	NP	P000103646	17-Jul-00			17-Jul-20	FILED
USHMR2041	AR	NP	P010100186	17-Jan-01			17-Jan-21	FILED
USHMR2042	AR	NP	P010102464	23-May-01			23-May-21	FILED
USHMR2053	AR	NP	P010104056	24-Aug-01			24-Aug-21	FILED
USM01846	AR	NP	P970104242	17-Sep-97	AR009363B1	31-Aug-07	17-Sep-17	GRANTED
USHMR2006	AT	EPT	98919929.4	27-Apr-98	ATE259808T1	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	AT	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	AT	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	AT	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	AT	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
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USHMR2025	AT	EPT	99960856.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	AT	EPT	1900939.8	8-Jan-01	E273303	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	AT	EPT	939629.2	7-Jun-00	E322016	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	AT	EPT	947304.2	13-Jul-00	E348807	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	AT	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
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USHR-1161	AT	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
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**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

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USM01845	AT	EPT	97907998.3	3-Mar-97	ATE212639T1	30-Jan-02	3-Mar-17	GRANTED
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USM01811	AU	PCT	49098/96	26-Jan-96	701042	26-May-99	26-Jan-16	GRANTED
USM01819	AU	PCT	70486/94	27-May-94	686186	21-May-98	27-May-14	GRANTED
USM01820	AU	PCT	71145/94	21-Jun-94	689116	9-Jul-98	21-Jun-14	GRANTED
USM01823	AU	PCT	54860/96	16-Apr-96	705427	26-Aug-99	16-Apr-16	GRANTED
USM01829	AU	PCT	56695/96	30-Apr-96	707218	21-Oct-99	30-Apr-16	GRANTED
USM01835	AU	PCT	74543/96	17-Oct-96	704509	29-Jul-99	17-Oct-16	GRANTED
USM01843	AU	PCT	19631/97	21-Feb-97	704435	29-Jul-99	21-Feb-17	GRANTED
USM01845	AU	PCT	19854/97	3-Mar-97	711322	27-Jan-00	3-Mar-17	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01846	AU	PCT	38278/97	4-Aug-97	718055	4-Aug-97	4-Aug-17	GRANTED
USM01853	AU	PCT	59237/98	24-Apr-97	737073	22-Nov-01	24-Apr-17	GRANTED
USM01856	AU	PCT	48098/97	7-Oct-97	734050	13-Sep-01	7-Oct-17	GRANTED
USHMR2025	BA	PCT	BAP01802A	22-Nov-99			22-Nov-19	FILED
USHMR2038	BA	PCT	BAP02980A	22-Jan-02			21-Jul-20	FILED
USHMR2039	BA	PCT	BAP02981A	21-Jul-00			21-Jul-20	FILED
USHMR2039	BA	PCT	BAP02981A	21-Jul-00			21-Jul-20	FILED
USHMR2006	BE	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	BE	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	BE	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	BE	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	BE	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	BE	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	BE	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	BE	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	BE	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	BE	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	BE	EPT	969177.4	21-Jul-00	1209115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	BE	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	BE	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	BE	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	BE	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	BE	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	BE	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	BE	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	BE	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	BE	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	BE	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1249	BE	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1252	BE	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	BE	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	BE	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	BE	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01308	BE	EPA	89101268.4	25-Jan-89	326103	15-Jul-92	25-Jan-09	GRANTED
USM01350	BE	EPA	89116001.2	30-Aug-89	357029	23-Mar-94	30-Aug-09	GRANTED
USM01419	BE	EPA	90115107.6	6-Aug-90	412487	28-Dec-94	6-Aug-10	GRANTED
USM01435	BE	EPA	90121208.4	6-Nov-90	427197	27-Apr-94	6-Nov-10	GRANTED
USM01464	BE	EPT	92912145.7	20-May-92	585355	22-Mar-95	20-May-12	GRANTED
USM01535	BE	EPA	90116565.4	29-Aug-90	415384	19-Mar-97	29-Aug-10	GRANTED
USM01554	BE	EPT	91910548.6	30-Apr-91	531410	30-Nov-94	30-Apr-11	GRANTED
USM01554K	BE	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	BE	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	BE	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	BE	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	BE	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	BE	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	BE	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	BE	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	BE	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	BE	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	BE	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	BE	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	BE	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01846	BE	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	BE	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	BE	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2025	BG	PCT	105591	22-Nov-99			22-Nov-19	FILED
USHMR2010	BR	PCT	P19812001-8	21-Jul-98	P19812001-8	15-Feb-05	21-Jul-18	GRANTED
USHMR2017	BR	PCT	P19908323-6	18-Feb-99			18-Feb-19	FILED
USHMR2019	BR	PCT	P19909256-5	18-Feb-99			18-Feb-19	FILED
USHMR2022	BR	PCT	P19911794-0	17-Jun-99			17-Jun-19	FILED
USHMR2025	BR	PCT	P19916276-8	22-Nov-99			22-Nov-19	FILED
USHMR2034	BR	PCT	P10107726-0	8-Jan-01			8-Jan-21	FILED
USHMR2036	BR	PCT	P10011437-5	7-Jun-00			7-Jun-20	FILED
USHMR2037	BR	PCT	P10012477-0	13-Jul-00			13-Jul-20	FILED
USHMR2038	BR	PCT	P10012667-5	21-Jul-00			21-Jul-20	FILED
USHMR2039	BR	PCT	P10012674-8	21-Jul-00			21-Jul-20	FILED
USHMR2039	BR	PCT	P10012674-8	21-Jul-00			21-Jul-20	FILED
USHMR2041	BR	PCT	P10107724-4	8-Jan-01			8-Jan-21	FILED
USHMR2048	BR	PCT	P10010937-1	25-May-00			25-May-20	FILED
USHMR2053	BR	PCT	P10113477-9	23-Aug-01			23-Aug-21	FILED
USHR-1161-4Y-4	BR	PIP	PI1100539-4	13-May-97	PI1100539-4	24-Dec-04	19-May-09	GRANTED
USHR-1273	BR	PCT	P19807312-5	20-Jan-98			20-Jan-18	FILED
USM01853	BR	PCT	P19709406.4	24-Apr-97			24-Apr-17	FILED
USHMR2034	BY	EAT	200200775	8-Jan-01	5247	30-Dec-04	8-Jan-21	GRANTED
USHMR2041	BY	EAT	200200776	8-Jan-01	5182	30-Dec-04	8-Jan-21	GRANTED
USHR-1161	BY	NP	1715	4-Nov-92	3591	22-Jun-00	4-Nov-12	GRANTED
US33761	CA	NP	500832	31-Jan-86	1341029	20-Jun-00	20-Jun-17	GRANTED
USHMR2006	CA	DIV	2,485,323	27-Apr-98			27-Apr-18	FILED
USHMR2006	CA	PCT	2,287,316	27-Apr-98	2,287,316	8-Feb-05	27-Apr-18	GRANTED
USHMR2013	CA	PCT	2,301,267	21-Jul-98	2,301,267	13-Jul-04	21-Jul-18	GRANTED
USHMR2017	CA	PCT	2,320,448	18-Feb-99	2,320,448	1-Feb-05	18-Feb-19	GRANTED
USHMR2018	CA	DIV	2,492,600	11-Mar-99			11-Mar-19	FILED
USHMR2018	CA	DIV	2,493,546	11-Mar-99			11-Mar-19	FILED
USHMR2018	CA	DIV	2,493,559	11-Mar-99			11-Mar-19	FILED
USHMR2018	CA	DIV	2,493,173	11-Mar-99			11-Mar-19	FILED
USHMR2018	CA	PCT	2,322,501	11-Mar-99	2,322,501	9-May-06	11-Mar-19	GRANTED
USHMR2019	CA	PCT	2,320,474	18-Feb-99	2,320,474	10-May-05	18-Feb-19	GRANTED
USHMR2021	CA	PCT	2,383,327	13-Sep-00			13-Sep-20	FILED
USHMR2022	CA	DIV	2,491,932	17-Jun-99			17-Jun-19	FILED
USHMR2022	CA	DIV	2,491,927	17-Jun-99			17-Jun-19	FILED
USHMR2022	CA	PCT	2,336,380	17-Jun-99	2,336,380	10-Apr-07	17-Jun-19	GRANTED
USHMR2023	CA	PCT	2,383,340	13-Sep-00			13-Sep-20	FILED
USHMR2024	CA	PCT	2,383,332	13-Sep-00	2,383,332	10-Jan-06	13-Sep-20	GRANTED
USHMR2024	CA	PCT	2,355,077	22-Nov-99			22-Nov-19	FILED
USHMR2034	CA	PCT	2,397,593	8-Jan-01			8-Jan-21	FILED
USHMR2036	CA	PCT	2,375,450	7-Jun-00			7-Jun-20	FILED
USHMR2037	CA	PCT	2,374,635	13-Jul-00	2374635	17-Apr-07	13-Jul-20	GRANTED
USHMR2038	CA	PCT	2,378,945	21-Jul-00			21-Jul-20	FILED
USHMR2039	CA	PCT	2,378,892	21-Jul-00	2378892	15-Jul-08	21-Jul-20	GRANTED
USHMR2039	CA	PCT	2,378,892	21-Jul-00	2378892	15-Jul-08	21-Jul-20	GRANTED
USHMR2041	CA	PCT	2,397,594	8-Jan-01			8-Jan-21	FILED
USHMR2042	CA	PCT	2,410,554	23-May-01			23-May-21	FILED
USHMR2046	CA	PCT	2,372,698	19-May-00			19-May-20	FILED
USHMR2048	CA	PCT	2,374,588	25-May-00	2,374,588	19-Aug-08	25-May-20	GRANTED
USHMR2053	CA	PCT	2,420,350	23-Aug-01			23-Aug-21	FILED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHR-1106	CA	NP	561561	16-Mar-88	1318675	1-Jun-93	1-Jun-10	GRANTED
USHR-1108	CA	NP	564915	22-Apr-88	1322368	21-Sep-93	21-Sep-10	GRANTED
USHR-1110	CA	NP	564923	22-Apr-88	1330661	12-Jul-94	12-Jul-11	GRANTED
USHR-1153	CA	NP	2013087	26-Mar-90	2013087	28-Dec-99	26-Mar-10	GRANTED
USHR-1159	CA	NP	2024572	4-Sep-90	2024572	26-Sep-00	4-Sep-10	GRANTED
USHR-1161	CA	DIV	2891257	15-Jun-07			27-Oct-14	FILED
USHR-1161	CA	NP	2017193	18-May-90	2,017,193	27-Jun-00	18-May-10	GRANTED
USHR-1161	CA	PCT	2,175,212	27-Oct-94	2175212	31-Jul-07	27-Oct-14	GRANTED
USHR-1161	CA	NP	2,121,253	4-Nov-92	2121253	31-Jul-07	4-Nov-12	GRANTED
USHR-1162	CA	DIV	2,332,188	16-Aug-90	2,332,188	23-Jan-07	16-Aug-10	GRANTED
USHR-1162	CA	NP	2,063,594	16-Aug-90	2063594	16-Jul-02	16-Aug-10	GRANTED
USHR-1171	CA	NP	2,022,486	1-Aug-90	2,022,486	3-Apr-01	1-Aug-10	GRANTED
USHR-1206	CA	NP	2,059,610	17-Jan-92	2,059,610	2-Apr-02	17-Jan-12	GRANTED
USHR-1208	CA	NP	2,078,814	22-Sep-92	2,078,814	9-Sep-03	22-Sep-12	GRANTED
USHR-1212	CA	NP	2,065,986	14-Apr-92	2,065,986	21-Feb-06	14-Apr-12	GRANTED
USHR-1230	CA	NP	2,096,515	18-May-93	2,096,515	4-Nov-03	18-May-13	GRANTED
USHR-1240	CA	NP	2,100,812	19-Jul-93	2100812	14-Nov-06	19-Jul-13	GRANTED
USHR-1249	CA	NP	2118174	14-Oct-94	2118174	18-Jan-00	14-Oct-14	GRANTED
USHR-1249	CA	NP	2118171	14-Oct-94	2118171	28-Dec-99	14-Oct-14	GRANTED
USHR-1249	CA	NP	2118172	14-Oct-94	2118172	4-Jan-00	14-Oct-14	GRANTED
USHR-1251	CA	NP	2,155,275	2-Aug-95	2,155,275	15-May-00	2-Aug-15	GRANTED
USHR-1252	CA	NP	2,128,312	18-Jul-94	2,128,312	28-Sep-04	18-Jul-14	GRANTED
USHR-1253	CA	NP	2,155,796	10-Aug-95	2,155,796	19-Oct-04	10-Aug-15	GRANTED
USHR-1256	CA	NP	2,157,860	8-Sep-95	2,157,860	17-Jul-01	8-Sep-15	GRANTED
USHR-1262	CA	PCT	2,273,181	13-Nov-97	2,273,181	20-Jan-04	13-Nov-17	GRANTED
USHR-1264	CA	PCT	2,251,545	10-Mar-97	2,251,545	8-Jan-02	10-Mar-17	GRANTED
USHR-1267	CA	PCT	2,225,156	8-Jul-96	2,225,156	10-Jun-03	8-Jul-16	GRANTED
USHR-1268	CA	PCT	2,302,412	4-Sep-98	2,302,412	20-Dec-05	4-Sep-18	GRANTED
USHR-1269	CA	PCT	2,276,203	13-Nov-97	2,276,203	22-Jul-03	13-Nov-17	GRANTED
USHR-1270	CA	PCT	2,252,039	7-Mar-97	2,252,039	24-Dec-02	7-Mar-17	GRANTED
USHR-1273	CA	PCT	2281702	20-Jan-98	2281702	11-Apr-06	20-Jan-18	GRANTED
USM01363	CA	NP	609198	23-Aug-89	1,341,336	29-Jan-02	29-Jan-19	GRANTED
USM01415	CA	NP	2,027,530	12-Oct-90	2,027,530	8-May-01	12-Oct-10	GRANTED
USM01419	CA	NP	2,022,576	2-Aug-90	2,022,576	1-May-01	2-Aug-10	GRANTED
USM01508	CA	NP	2,046,051	2-Jul-91	2,046,051	5-Jun-01	2-Jul-11	GRANTED
USM01531	CA	NP	2,030,396	20-Nov-90	2,030,396	25-Feb-97	20-Nov-10	GRANTED
USM01543	CA	NP	2,030,162	16-Nov-90	2,030,162	24-Jul-01	16-Nov-10	GRANTED
USM01554I	CA	PCT	2,347,469	14-Oct-98	2,347,469	28-Feb-06	14-Oct-18	GRANTED
USM01554K	CA	DIV	2,629,396	16-May-08			29-Jul-19	FILED
USM01554K	CA	PCT	2,341,891	29-Jul-99			29-Jul-19	FILED
USM01631	CA	NP	2,084,222	1-Dec-92	2084222	6-Apr-04	1-Dec-12	GRANTED
USM01730	CA	DIV	2,449,419	28-Apr-95			28-Apr-15	FILED
USM01730	CA	DIV	2,585,705	28-Apr-95			28-Apr-15	FILED
USM01730	CA	PCT	2,189,007	28-Apr-95	2,189,007	2-Mar-04	28-Apr-15	GRANTED
USM01738	CA	PCT	2,217,006	11-Mar-96	2,217,006	22-May-01	11-Mar-16	GRANTED
USM01789	CA	PCT	2,275,602	21-Nov-97	2,275,602	22-Jul-03	21-Nov-17	GRANTED
USM01793	CA	PCT	2189527	5-May-95	2189527	19-Dec-00	5-May-15	GRANTED
USM01803	CA	PCT	2,216,787	22-Mar-96	2,216,787	22-May-01	22-Mar-16	GRANTED
USM01804	CA	PCT	2,302,992	21-Sep-95	2,202,992	13-May-03	21-Sep-15	GRANTED
USM01808	CA	PCT	2210258	15-Dec-95	2,210,258	1-Oct-02	15-Dec-15	GRANTED
USM01810	CA	PCT	2208569	20-Nov-95	2,208,569	11-Jul-00	20-Nov-15	GRANTED
USM01810	CA	DIV	2,297,134	10-Jan-00	2,297,134	10-Feb-04	20-Nov-15	GRANTED
USM01811	CA	PCT	2,213,700	26-Jan-96	2,213,700	2-Apr-02	26-Jan-16	GRANTED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01819	CA	PCT	2,163,637	27-May-94	2163637	6-May-08	27-May-14	GRANTED
USM01820	CA	DIV	2,579,631	20-Mar-07			21-Jun-14	FILED
USM01820	CA	PCT	2,165,780	21-Jun-94	2,165,780	3-Apr-07	21-Jun-14	GRANTED
USM01829	CA	PCT	2,218,643	30-Apr-96	2,218,643	11-Dec-01	30-Apr-16	GRANTED
USM01835	CA	PCT	2,236,206	17-Oct-96	2236206	21-Mar-06	17-Oct-16	GRANTED
USM01843	CA	PCT	2,250,077	21-Feb-97	2,250,077	7-Oct-03	21-Feb-17	GRANTED
USM01845	CA	PCT	2,251,991	3-Mar-97	2,251,991	14-May-02	3-Mar-17	GRANTED
USM01846	CA	PCT	2,266,759	4-Aug-97	2266759	26-Oct-04	4-Aug-17	GRANTED
USM01853	CA	PCT	2,257,136	24-Apr-97	2257136	20-Jul-04	24-Apr-17	GRANTED
USM01856	CA	PCT	2,271,054	7-Oct-97	2,271,054	13-Dec-05	7-Oct-17	GRANTED
USHMR2006	CH	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	CH	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	CH	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	CH	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	CH	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	CH	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	CH	EPT	99960356.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	CH	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	CH	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	CH	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	CH	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	CH	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	CH	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	CH	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	CH	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	CH	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	CH	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	CH	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	CH	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	CH	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	CH	EPA	94115969.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1249	CH	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1252	CH	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	CH	EPT	96223693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	CH	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	CH	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01464	CH	EPT	92912145.7	20-May-92	585355	22-Mar-95	20-May-12	GRANTED
USM01464	CH	EPT	92912145.7	20-May-92	585355	22-Mar-95	20-May-12	GRANTED
USM01554K	CH	EPT	99936060.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	CH	EPA	92108361.4	18-May-92	314814	22-Jan-97	18-May-12	GRANTED
USM01730	CH	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	CH	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	CH	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	CH	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	CH	EPD	3003377.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	CH	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	CH	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	CH	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	CH	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	CH	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	CH	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	CH	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	CH	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01554	CL	RVL	487-2004	10-Mar-04			10-Mar-24	FILED
USM01811	CL	RVL	2004-0317	20-Feb-04			26-Jan-16	FILED
USHMR2006	CN	PCT	98805325.X	28-Apr-98	ZL98805325.X	18-Jun-03	28-Apr-18	GRANTED
USHMR2009	CN	PCT	98805399.3	27-Apr-98	ZL98805399.3	19-Jan-05	27-Apr-18	GRANTED
USHMR2010	CN	PCT	98808527.5	21-Jul-98	ZL98808527.5	28-Jul-04	21-Jul-18	GRANTED
USHMR2013	CN	PCT	98808159.8	21-Jul-98	ZL98808159.8	31-Mar-04	21-Jul-18	GRANTED
USHMR2017	CN	PCT	99803395.2	18-Feb-99	ZL99803395.2	19-Nov-03	18-Feb-19	GRANTED
USHMR2018	CN	DIV	2.0081E+11	16-May-08			11-Mar-19	FILED
USHMR2018	CN	PCT	99806022.4	11-Mar-99			11-Mar-19	FILED
USHMR2018	CN	DIV	2.0071E+11	20-Aug-07			11-Mar-19	FILED
USHMR2018	CN	PCT	99806022.4	11-Mar-99			11-Mar-19	FILED
USHMR2019	CN	PCT	99803397.9	18-Feb-99	ZL99803397.9	31-Mar-04	18-Feb-19	GRANTED
USHMR2022	CN	DIV	2.0081E+11	17-Apr-08			17-Jun-19	FILED
USHMR2022	CN	DIV	2.0061E+11	9-Jan-06			17-Jun-19	FILED
USHMR2023	CN	PCT	99814583.1	22-Nov-99	ZL99814583.1	6-Apr-05	22-Nov-19	GRANTED
USHMR2034	CN	PCT	1803847.6	8-Jan-01	ZL01803847.6	6-Aug-04	8-Jan-21	GRANTED
USHMR2038	CN	DIV	2.0061E+11	5-Apr-06			21-Jul-20	FILED
USHMR2039	CN	PCT	812154	21-Jul-00			21-Jul-20	FILED
USHMR2039	CN	PCT	812154	21-Jul-00			21-Jul-20	FILED
USHMR2042	CN	PCT	1810983.7	23-May-01			23-May-21	FILED
USHR-1161	CN	PCT	94194302.X	27-Oct-94	ZL94194302.X	31-Mar-04	27-Oct-14	GRANTED
USHR-1161	CN	DIV	00130979.X	19-May-90	ZL00130979	19-Oct-03	19-May-10	GRANTED
USHR-1249	CN	NP	94117062.4	14-Oct-94	ZL94117062.4	27-Jun-98	14-Oct-14	GRANTED
USHR-1249	CN	NP	94117060.8	14-Oct-94	ZL94117060.8	27-Jun-98	14-Oct-14	GRANTED
USHR-1249	CN	NP	94117061.6	14-Oct-94	ZL94117061.6	16-Apr-98	14-Oct-14	GRANTED
USHR-1267	CN	PCT	96195780.8	8-Jul-96	ZL96195780.8	19-Jan-05	8-Jul-16	GRANTED
USHR-1273	CN	PCT	98802357.1	20-Jan-98	ZL98802357.1	16-Oct-02	20-Jan-18	GRANTED
USM01730	CN	DIV	2.0061E+11	28-Apr-03			28-Apr-15	FILED
USM01730	CN	DIV	2.0031E+11	28-Apr-03			28-Apr-15	FILED
USM01810	CN	DIV	2155713.2	20-Nov-93	ZL02155713.2	15-Feb-06	20-Nov-13	GRANTED
USM01810	CN	PCT	95196905.6	20-Nov-93	ZL95196905.6	9-Jul-03	20-Nov-13	GRANTED
USM01811	CN	PCT	96192200.1	26-Jan-96	ZL96192200.1	18-Sep-02	26-Jan-16	GRANTED
USM01829	CN	PCT	96194495.1	30-Apr-96	ZL96194495.1	25-Feb-04	30-Apr-16	GRANTED
USM01833	CN	PCT	96198193.8	17-Oct-96	ZL96198193.8	11-May-03	17-Oct-16	GRANTED
USM01843	CN	PCT	97193148.8	21-Feb-97	ZL97193148.8	16-Jul-03	21-Feb-17	GRANTED
USM01846	CN	PCT	97199024.7	4-Aug-97	ZL97199024.7	19-May-04	4-Aug-17	GRANTED
USM01853	CN	PCT	97195141.1	24-Apr-97	ZL97195141.1	4-Aug-04	24-Apr-17	GRANTED
USM01856	CN	PCT	97199910.4	7-Oct-97	ZL97199910.4	29-Sep-04	7-Oct-17	GRANTED
USHMR2025	CR	PCT	6424	22-Nov-99			22-Nov-19	FILED
USHMR2008	CY	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	CY	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	CY	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	CY	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2018	CY	EPT	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2023	CY	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	CY	EPT	1900939.8	8-Jan-01	CY1102508	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	CY	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	CY	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	CY	EPT	1902993.3	8-Jan-01	CY1103435	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	CY	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	CY	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	CY	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USM01554K	CY	EPT	99936080.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2010	CZ	PCT	PV1999-4581	21-Jul-98	295461	17-Aug-05	21-Jul-18	GRANTED
USHMR2017	CZ	PCT	PV2000-3106	18-Feb-99	291604	11-Feb-03	18-Feb-19	GRANTED
USHMR2025	CZ	PCT	PV2001-2137	22-Nov-99			22-Nov-19	FILED
USHMR2034	CZ	PCT	PV2002-2466	8-Jan-01			8-Jan-21	FILED
USHMR2038	CZ	PCT	PV2002-264	21-Jul-00			21-Jul-20	FILED
USHMR2039	CZ	PCT	PV2002-265	21-Jul-00			21-Jul-20	FILED
USHMR2039	CZ	PCT	PV2002-265	21-Jul-00			21-Jul-20	FILED
USHMR2041	CZ	PCT	PV2002-2467	8-Jan-01			8-Jan-21	FILED
USHR-1161	CZ	DIV	3628-96	10-Dec-96	288464	23-Apr-01	17-May-10	GRANTED
USHR-1161	CZ	PCT	1994-1102	4-Nov-92	287611	1-Nov-00	4-Nov-12	GRANTED
USHR-1161	CZ	PCT	PV1996-1238	27-Oct-94	295927	14-Oct-03	27-Oct-14	GRANTED
USHR-1161	CZ	NP	PV2423-90	17-May-90	282385	30-Sep-97	17-May-10	GRANTED
USHR-1249	CZ	NP	PV2547-94	14-Oct-94	283561	28-May-98	14-Oct-14	GRANTED
USHR-1249	CZ	NP	PV2545-94	14-Oct-94	283731	9-Apr-98	14-Oct-14	GRANTED
USHR-1249	CZ	NP	PV2546-94	14-Oct-94	287071	26-Jun-00	14-Oct-14	GRANTED
USHR-1252	CZ	NP	PV1730-94	18-Jul-94	288593	8-Oct-01	18-Jul-14	GRANTED
USHMR2006	DE	EPT	98919929.4	27-Apr-98	69821757.8	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	DE	EPT	98919928.6	27-Apr-98	69807466.1	28-Aug-02	27-Apr-18	GRANTED
USHMR2009	DE	EPT	98920897	27-Apr-98	69822297	10-Mar-04	27-Apr-18	GRANTED
USHMR2010	DE	EPT	98937010.1	21-Jul-98	69814086.9	2-May-03	21-Jul-18	GRANTED
USHMR2013	DE	EPT	98935892.4	21-Jul-98	69808303.2	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	DE	EPT	99936074.6	18-Feb-99	69918062.7	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	DE	EPT	99908220.9	18-Feb-99	69912248.1	22-Oct-03	18-Feb-19	GRANTED
USHMR2020	DE	EPT	99920201.3	30-Apr-99	69923173.6	12-Jan-05	30-Apr-19	GRANTED
USHMR2021	DE	EPT	964967.4	13-Sep-00	60006698.3	19-Nov-03	13-Sep-20	GRANTED
USHMR2023	DE	EPT	964969	13-Sep-00	60006699.1	19-Nov-03	13-Sep-20	GRANTED
USHMR2024	DE	EPT	963370.2	13-Sep-00	60004543.9	13-Aug-03	13-Sep-20	GRANTED
USHMR2025	DE	EPT	99960556.1	22-Nov-99	69927177	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	DE	EPT	1900939.8	8-Jan-01	60104822.9	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	DE	EPT	939629.2	7-Jun-00	60026998.1	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	DE	EPT	947304.2	13-Jul-00	60032489.3	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	DE	EPT	960177.4	21-Jul-00	60022759.6	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	DE	EPT	1902993.3	8-Jan-01	60107652.4	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	DE	EPT	60133385.3-08	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	DE	EPT	936091.8	19-May-00	60037584.6	26-Dec-07	19-May-20	GRANTED
USHMR2048	DE	EPT	939372.9	25-May-00	60023496.7	26-Oct-05	25-May-20	GRANTED
USHR-1161	DE	EPT	92924151.1	4-Nov-92	69233189.1	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	DE	EPD	99111017.2	10-Jun-99	69233686.9	7-Mar-07	4-Nov-12	GRANTED
USHR-1242	DE	EPA	95106921	8-May-95	69518192	2-Aug-00	8-May-15	GRANTED
USHR-1244	DE	EPA	94902374.1	22-Nov-93	69332691.3	12-Feb-03	22-Nov-13	GRANTED
USHR-1249	DE	EPA	94115959.2	10-Oct-94	69429708.9	28-Jan-02	10-Oct-14	GRANTED
USHR-1249	DE	EPA	94115960	10-Oct-94	69427332.5	30-May-01	10-Oct-14	GRANTED
USHR-1251	DE	EPA	95111895.9	28-Jul-95	69529958.1	19-Mar-03	28-Jul-15	GRANTED
USHR-1260	DE	EPT	96920335.5	14-May-96	69610778.3	25-Oct-00	14-May-16	GRANTED
USHR-1262	DE	EPT	97950636.7	13-Nov-97	69724148.3	13-Aug-03	13-Nov-17	GRANTED
USHR-1264	DE	EPT	97908068.6	10-Mar-97	69725713.4	22-Oct-03	10-Mar-17	GRANTED
USHR-1267	DE	EPT	96923693.4	8-Jul-96	69621617.5	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	DE	EPT	98945914.4	4-Sep-98	69836559.3	29-Nov-06	4-Sep-18	GRANTED
USHR-1269	DE	EPT	97948250.2	13-Nov-97	69715668	18-Sep-02	13-Nov-17	GRANTED
USHR-1270	DE	EPT	97908942.2	7-Mar-97	69707659.8	24-Oct-01	7-Mar-17	GRANTED
USHR-1273	DE	EPA	98902628.1	20-Jan-98	69812980.6	2-Apr-03	20-Jan-18	GRANTED
USM01464	DE	EPT	92912145.7	20-May-92	69201793.3	22-Mar-95	20-May-12	GRANTED
USM01547	DE	EPA	91115485.4	12-Sep-91	69132632	13-Jun-01	12-Sep-11	GRANTED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01554K	DE	EPT	99936000.1	29-Jul-99	69911436.5	17-Sep-03	29-Jul-19	GRANTED
USM01599	DE	EPA	92108361.4	18-May-92	69216910.5	22-Jan-97	18-May-12	GRANTED
USM01631	DE	EPA	92120653.8	3-Dec-92	69231242	12-Jul-00	3-Dec-12	GRANTED
USM01730	DE	EPT	95918278.3	28-Apr-95	69527429.5	17-Jul-02	28-Apr-15	GRANTED
USM01738	DE	EPT	96911220	11-Mar-96	69633442.9	22-Sep-04	11-Mar-16	GRANTED
USM01786	DE	EPT	96905333.9	6-Feb-96	69615670.9	4-Oct-01	6-Feb-16	GRANTED
USM01789	DE	EPT	97950690.4	21-Nov-97	69706564.2	5-Sep-01	21-Nov-17	GRANTED
USM01793	DE	EPT	95918993.7	5-May-95	69531459.9	6-Aug-03	5-May-15	GRANTED
USM01803	DE	EPT	96910552.7	22-Mar-96	69609172	5-Jul-00	22-Mar-16	GRANTED
USM01804	DE	EPT	95933902.9	21-Sep-95	69526668.3	8-May-02	21-Sep-15	GRANTED
USM01808	DE	EPT	95943478.8	15-Dec-95	69523072.7	4-Oct-01	15-Dec-15	GRANTED
USM01810	DE	EPD	99114227.4	27-Jul-99	69533002	6-May-04	20-Nov-15	GRANTED
USM01810	DE	EPT	95942465.6	20-Nov-95	69515517.2	8-Mar-00	20-Nov-15	GRANTED
USM01811	DE	EPT	96905292.7	26-Jan-96	69624559	30-Oct-02	26-Jan-16	GRANTED
USM01819	DE	EPT	94919294.2	27-May-94	69432147.8	19-Feb-03	27-May-14	GRANTED
USM01819	DE	EPD	3003577.8	17-Feb-03	69434998.4	11-Jul-07	27-May-14	GRANTED
USM01820	DE	EPT	94920294.9	21-Jun-94	69429542.6	19-Dec-01	21-Jun-14	GRANTED
USM01820	DE	EPD	1114395.5	21-Jun-94	69433011.7	8-Aug-07	21-Jun-14	GRANTED
USM01829	DE	EPT	96913862.7	30-Apr-96	69631132.1	17-Dec-03	30-Apr-16	GRANTED
USM01835	DE	EPT	96936680.6	17-Oct-96	69628581.9	4-Jun-03	17-Oct-16	GRANTED
USM01843	DE	EPT	97907698.1	21-Feb-97	69713571.3	26-Jun-02	21-Feb-17	GRANTED
USM01845	DE	EPT	97907998.5	3-Mar-97	69710191.6	30-Jan-02	3-Mar-17	GRANTED
USM01846	DE	EPT	97935308.3	4-Aug-97	69717647.9	4-Dec-02	4-Aug-17	GRANTED
USM01853	DE	EPT	97921288.3	24-Apr-97	69708629.1	28-Nov-01	24-Apr-17	GRANTED
USM01856	DE	EPT	97910819.8	7-Oct-97	69721040.5	16-Apr-03	7-Oct-17	GRANTED
USM01858	DE	EPT	97946443.5	3-Nov-97	69710921.6	6-Mar-02	3-Nov-17	GRANTED
USM01860	DE	EPT	97941552.8	12-Sep-97	69710217.5	30-Jan-02	12-Sep-17	GRANTED
USHMR2006	DK	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
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USHMR2010	DK	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	DK	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
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USHMR2025	DK	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	DK	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	DK	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	DK	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	DK	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	DK	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	DK	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	DK	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	DK	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	DK	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	DK	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	DK	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	DK	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	DK	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	DK	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	DK	EPA	94115959.3	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1252	DK	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	DK	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	DK	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	DK	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01464	DK	EPT	92912145.7	20-May-92	585355	22-Mar-95	20-May-12	GRANTED
USM01554K	DK	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	DK	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	DK	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	DK	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	DK	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	DK	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	DK	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01819	DK	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01820	DK	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01820	DK	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01829	DK	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	DK	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	DK	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	DK	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	DK	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	DK	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	DK	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2018	DZ	NP	0043-99	10-Mar-99			10-Mar-19	FILED
USHMR2010	EE	PCT	P200000098	21-Jul-98	4294	15-Jun-04	21-Jul-18	GRANTED
USHMR2013	EE	PCT	P200000069	21-Jul-98	4263	15-Apr-04	21-Jul-18	GRANTED
USHMR2017	EE	PCT	0493/00PC	18-Feb-99	4315	15-Jun-04	18-Feb-19	GRANTED
USHMR2025	EE	PCT	P200100314	22-Nov-99			22-Nov-19	FILED
USHMR2038	EE	PCT	P200200037	21-Jul-00			21-Jul-20	FILED
USHMR2039	EE	PCT	P200200038	21-Jul-00			21-Jul-20	FILED
USHMR2039	EE	PCT	P200200038	21-Jul-00			21-Jul-20	FILED
USHMR2008	EP	EPT	98919928.8	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2018	EP	EPD	6016486	8-Aug-06			11-Mar-19	FILED
USHMR2018	EP	EPD	6016487.8	8-Aug-06			11-Mar-19	FILED
USHMR2019	EP	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2022	EP	EPT	99928753.5	17-Jun-99			17-Jun-19	FILED
USHMR2025	EP	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	EP	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	EP	EPT	939629.2	7-Jun-00	1183541	29-Mar-06		GRANTED
USHMR2038	EP	EPT	960177.4	21-Jul-00	1200115	21-Sep-05		GRANTED
USHMR2039	EP	EPT	948895.8	21-Jul-00			21-Jul-20	FILED
USHMR2039	EP	EPT	948895.8	21-Jul-00			21-Jul-20	FILED
USHMR2040	EP	EPT	983750.1	22-Nov-00			22-Nov-20	FILED
USHMR2040	EP	EPT	99923278.8	20-May-99			20-May-19	FILED
USHMR2041	EP	EPT	1902993.3	8-Jan-01	1252153	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	EP	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	EP	EPT	936091.8	19-May-00	1185699	26-Dec-07		GRANTED
USHMR2048	EP	EPT	939372.9	25-May-00	1190366	26-Oct-05		GRANTED
USHMR2048	EP	EPD	5077415.7	20-Oct-05			25-May-20	FILED
USHMR2052	EP	EPT	1946642.4	21-Jun-01				FILED
USHMR2053	EP	EPT	1964392.3	23-Aug-01			23-Aug-21	FILED
USHR-1161	EP	EPD	1102643.2	7-Feb-01			4-Nov-12	FILED
USHR-1161	EP	EPD	99111315	10-Jun-99			5-Nov-12	FILED
USHR-1161	EP	EPD	99111314.3	10-Jun-99			4-Nov-12	FILED
USHR-1161	EP	EPT	95900390.6	27-Oct-94			27-Oct-14	FILED
USHR-1161	EP	EPD	115401.2	17-Jul-00			5-Nov-12	FILED
USHR-1242	EP	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1244	EP	EPA	94902374.1	22-Nov-93	669920	12-Feb-03		GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHR-1249	EP	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	EP	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1253	EP	EPA	95112395.9	7-Aug-95	703232	30-Jun-04		GRANTED
USHR-1262	EP	EPT	97950636.7	13-Nov-97	956287	13-Aug-03		GRANTED
USHR-1267	EP	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1270	EP	EPT	97908942.2	7-Mar-97	892796	24-Oct-01	7-Mar-17	GRANTED
USM01730	EP	EPD	1124314.4	28-Apr-95			28-Apr-15	FILED
USM01820	EP	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07		GRANTED
USHMR2006	ES	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	ES	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2009	ES	EPT	98920897	27-Apr-98	983256	10-Mar-04	27-Apr-18	GRANTED
USHMR2010	ES	EPT	98937016.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	ES	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	ES	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	ES	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2021	ES	EPT	964967.4	13-Sep-00	ES2206305T3	19-Nov-03	13-Sep-20	GRANTED
USHMR2023	ES	EPT	964969	13-Sep-00	1216250	19-Nov-03	13-Sep-20	GRANTED
USHMR2025	ES	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	ES	EPT	1900939.8	8-Jan-01	ES2222332T3	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	ES	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	ES	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	ES	EPT	1902993.3	8-Jan-01	2228800	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	ES	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	ES	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	ES	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	ES	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	ES	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	ES	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	ES	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1230	ES	EPA	93107818.2	13-May-93	570850	11-Dec-96	13-May-13	GRANTED
USHR-1240	ES	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	ES	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	ES	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	ES	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1251	ES	EPA	95111895.9	28-Jul-95	709378	19-Mar-03	28-Jul-15	GRANTED
USHR-1252	ES	EPA	94110875.5	13-Jul-94	2138017	3-Nov-99	13-Jul-14	GRANTED
USHR-1256	ES	EPA	95113849.4	4-Sep-95	700913	3-Jun-98	4-Sep-15	GRANTED
USHR-1260	ES	EPT	96920335.5	14-May-96	848713	25-Oct-00	14-May-16	GRANTED
USHR-1262	ES	EPT	97950636.7	13-Nov-97	956287	13-Aug-03	13-Nov-17	GRANTED
USHR-1264	ES	EPT	97908068.6	10-Mar-97	892802	22-Oct-03	10-Mar-17	GRANTED
USHR-1267	ES	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	ES	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1269	ES	EPT	97948250.2	13-Nov-97	950056	18-Sep-02	13-Nov-17	GRANTED
USHR-1270	ES	EPT	97908942.2	7-Mar-97	892796	24-Oct-01	7-Mar-17	GRANTED
USHR-1273	ES	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01535	ES	EPA	90116565.4	29-Aug-90	415384	19-Mar-97	29-Aug-10	GRANTED
USM01547	ES	EPA	91115485.4	12-Sep-91	475411	13-Jun-01	12-Sep-11	GRANTED
USM01554K	ES	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01631	ES	EPA	92120653.8	3-Dec-92	545413	12-Jul-00	3-Dec-12	GRANTED
USM01730	ES	EPT	95918278.3	28-Apr-95	ES2176329T3	17-Jul-02	28-Apr-15	GRANTED
USM01738	ES	EPT	96911220	11-Mar-96	ES2224164T3	22-Sep-04	11-Mar-16	GRANTED
USM01803	ES	EPT	96910552.7	22-Mar-96	821676	5-Jul-00	22-Mar-16	GRANTED
USM01804	ES	EPT	95933902.9	21-Sep-95	ES2173198T3	8-May-02	21-Sep-15	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01808	ES	EPT	95943478.8	13-Dec-93	802909	4-Oct-01	15-Dec-15	GRANTED
USM01810	ES	EPD	99114227.4	27-Jul-99	ES2216386T3	6-May-04	20-Nov-15	GRANTED
USM01810	ES	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	ES	EPT	96905292.7	26-Jan-96	ES2181868T3	30-Oct-02	26-Jan-16	GRANTED
USM01819	ES	EPD	3003577.8	17-Feb-03	2289194	11-Jul-07	27-May-14	GRANTED
USM01820	ES	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	ES	EPT	96913862.7	30-Apr-96	ES2211954T3	17-Dec-03	30-Apr-16	GRANTED
USM01835	ES	EPT	96936680.6	17-Oct-96	ES2122951T3	4-Jun-03	17-Oct-16	GRANTED
USM01843	ES	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01843	ES	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	ES	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	ES	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	ES	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2006	FI	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	FI	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	FI	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	FI	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	FI	EPT	99936074.6	18-Feb-99	1056743	16-Jun-04	18-Feb-19	GRANTED
USHMR2018	FI	EPT	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2019	FI	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2023	FI	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	FI	EPT	1900939.8	8-Jan-01	1259307	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	FI	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	FI	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	FI	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	FI	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	FI	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	FI	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1161	FI	PCT	942052	4-Nov-92			4-Nov-12	FILED
USHR-1161	FI	NP	902449	17-May-90	104072	15-Nov-99	17-May-10	GRANTED
USHR-1212	FI	NP	921641	13-Apr-92	97344	10-Jan-97	13-Apr-12	GRANTED
USHR-1249	FI	NP	944821	13-Oct-94	108723	15-Mar-02	13-Oct-14	GRANTED
USHR-1249	FI	NP	944822	13-Oct-94	108724	15-Mar-02	13-Oct-14	GRANTED
USHR-1249	FI	NP	944823	13-Oct-94	108722	15-Mar-02	13-Oct-14	GRANTED
USHR-1267	FI	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	FI	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	FI	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	FI	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01810	FI	PCT	972620	20-Nov-93			20-Nov-15	FILED
USM01811	FI	PCT	973518	26-Jan-96			26-Jan-16	FILED
USM01829	FI	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	FI	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	FI	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	FI	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	FI	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	FI	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	FI	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2006	FR	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	FR	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2009	FR	EPT	98920897	27-Apr-98	983256	10-Mar-04	27-Apr-18	GRANTED
USHMR2010	FR	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	FR	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	FR	EPT	99936074.6	18-Feb-99	1056743	16-Jun-04	18-Feb-19	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2019	FR	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2020	FR	EPT	99920201.3	30-Apr-99	1077942	12-Jan-05	30-Apr-19	GRANTED
USHMR2021	FR	EPT	964967.4	13-Sep-00	1216249	19-Nov-03	13-Sep-20	GRANTED
USHMR2023	FR	EPT	964969	13-Sep-00	1216250	19-Nov-03	13-Sep-20	GRANTED
USHMR2024	FR	EPT	963370.2	13-Sep-00	1216244	13-Aug-03	13-Sep-20	GRANTED
USHMR2025	FR	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	FR	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	FR	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	FR	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	FR	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	FR	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	FR	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	FR	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	FR	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	FR	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	FR	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	FR	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1230	FR	EPA	93107818.2	13-May-93	370850	11-Dec-96	13-May-13	GRANTED
USHR-1240	FR	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	FR	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1244	FR	EPA	94902374.1	22-Nov-93	669920	12-Feb-03	22-Nov-13	GRANTED
USHR-1249	FR	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	FR	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1251	FR	EPA	95111895.9	28-Jul-95	709378	19-Mar-03	28-Jul-15	GRANTED
USHR-1252	FR	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1256	FR	EPA	95113849.4	4-Sep-95	700913	3-Jun-98	4-Sep-15	GRANTED
USHR-1260	FR	EPT	96920335.5	14-May-96	848713	25-Oct-00	14-May-16	GRANTED
USHR-1262	FR	EPT	97950636.7	13-Nov-97	956287	13-Aug-03	13-Nov-17	GRANTED
USHR-1264	FR	EPT	97908068.6	10-Mar-97	892802	22-Oct-03	10-Mar-17	GRANTED
USHR-1267	FR	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	FR	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1269	FR	EPT	97948250.2	13-Nov-97	950056	18-Sep-02	13-Nov-17	GRANTED
USHR-1270	FR	EPT	97908942.2	7-Mar-97	892796	24-Oct-01	7-Mar-17	GRANTED
USHR-1273	FR	EPA	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01547	FR	EPA	91115485.4	12-Sep-91	475411	13-Jun-01	12-Sep-11	GRANTED
USM01554K	FR	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01631	FR	EPA	92120653.8	3-Dec-92	545413	12-Jul-00	3-Dec-12	GRANTED
USM01730	FR	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01738	FR	EPT	96911220	11-Mar-96	830347	22-Sep-04	11-Mar-16	GRANTED
USM01786	FR	EPT	96905333.9	6-Feb-96	815105	4-Oct-01	6-Feb-16	GRANTED
USM01789	FR	EPT	97950690.4	21-Nov-97	946545	5-Sep-01	21-Nov-17	GRANTED
USM01793	FR	EPT	95918993.7	5-May-95	804465	6-Aug-03	5-May-15	GRANTED
USM01803	FR	EPT	96910552.7	22-Mar-96	821676	5-Jul-00	22-Mar-16	GRANTED
USM01804	FR	EPT	95933902.9	21-Sep-95	790994	8-May-02	21-Sep-15	GRANTED
USM01808	FR	EPT	95943478.8	15-Dec-95	802909	4-Oct-01	15-Dec-15	GRANTED
USM01810	FR	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	FR	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	FR	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	FR	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	FR	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	FR	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	FR	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	FR	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01835	FR	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	FR	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	FR	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	FR	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	FR	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	FR	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USM01858	FR	EPT	97946443.5	3-Nov-97	946548	6-Mar-02	3-Nov-17	GRANTED
USM01860	FR	EPT	97941552.8	12-Sep-97	944600	30-Jan-02	12-Sep-17	GRANTED
USHMR2006	GB	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
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USHMR2010	GB	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	GB	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	GB	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	GB	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2020	GB	EPT	99920201.3	30-Apr-99	1077942	12-Jan-05	30-Apr-19	GRANTED
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USHMR2023	GB	EPT	964969	13-Sep-00	1216250	19-Nov-03	13-Sep-20	GRANTED
USHMR2024	GB	EPT	963370.2	13-Sep-00	1216244	13-Aug-03	13-Sep-20	GRANTED
USHMR2025	GB	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	GB	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	GB	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	GB	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	GB	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
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USHMR2048	GB	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHMR2052	GB	PSP	101523.9	19-Jan-01				FILED
USHMR2053	GB	NP	103110.3	7-Feb-01			25-Aug-20	FILED
USHR-1159	GB	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	GB	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	GB	EPD	99111017.2	10-Jun-99	939076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	GB	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1230	GB	EPA	93107818.2	13-May-93	570850	11-Dec-96	13-May-13	GRANTED
USHR-1240	GB	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	GB	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1244	GB	EPA	94902374.1	23-Nov-93	669920	12-Feb-03	22-Nov-13	GRANTED
USHR-1249	GB	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
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USHR-1252	GB	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1256	GB	EPA	95113849.4	4-Sep-95	700913	3-Jun-98	4-Sep-15	GRANTED
USHR-1260	GB	EPT	96920335.5	14-May-96	848713	25-Oct-00	14-May-16	GRANTED
USHR-1262	GB	EPT	97950636.7	13-Nov-97	956287	13-Aug-03	13-Nov-17	GRANTED
USHR-1264	GB	EPT	97908068.6	10-Mar-97	892802	22-Oct-03	10-Mar-17	GRANTED
USHR-1267	GB	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
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USHR-1270	GB	EPT	97908942.2	7-Mar-97	892796	24-Oct-01	7-Mar-17	GRANTED
USHR-1273	GB	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01435	GB	EPA	90121208.4	6-Nov-90	427197	27-Apr-94	6-Nov-10	GRANTED
USM01547	GB	EPA	91115485.4	12-Sep-91	475411	13-Jun-01	12-Sep-11	GRANTED
USM01554K	GB	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01631	GB	EPA	92120633.8	3-Dec-92	545413	12-Jul-00	3-Dec-12	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01730	GB	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01738	GB	EPT	96911220	11-Mar-96	830347	22-Sep-04	11-Mar-16	GRANTED
USM01786	GB	EPT	96905333.9	6-Feb-96	815105	4-Oct-01	6-Feb-16	GRANTED
USM01789	GB	EPT	97930690.4	21-Nov-97	946545	5-Sep-01	21-Nov-17	GRANTED
USM01793	GB	EPT	95918993.7	5-May-95	804465	6-Aug-03	5-May-15	GRANTED
USM01803	GB	EPT	96910552.7	22-Mar-96	821676	5-Jul-00	22-Mar-16	GRANTED
USM01804	GB	EPT	95933902.9	21-Sep-95	790994	8-May-02	21-Sep-15	GRANTED
USM01808	GB	EPT	95943478.8	15-Dec-95	802909	4-Oct-01	15-Dec-15	GRANTED
USM01810	GB	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	GB	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	GB	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	GB	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01819	GB	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01820	GB	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	GB	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	GB	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	GB	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	GB	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	GB	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	GB	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	GB	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01855	GB	EPT	97936381.9	4-Aug-97	929527	27-Oct-04	4-Aug-17	GRANTED
USM01856	GB	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USM01858	GB	EPT	97946443.5	3-Nov-97	946548	6-Mar-02	3-Nov-17	GRANTED
USM01860	GB	EPT	97941552.8	12-Sep-97	944600	30-Jan-02	12-Sep-17	GRANTED
USHR-1161	GE	PCT	1977	4-Nov-92	1706	5-May-99	4-Nov-12	GRANTED
USHMR2008	GR	EPT	98919928.6	27-Apr-98	3040804	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	GR	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	GR	EPT	98935892.4	21-Jul-98	3040829	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	GR	EPT	99936074.6	18-Feb-99	3049541	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	GR	EPT	99908220.9	18-Feb-99	3047748	22-Oct-03	18-Feb-19	GRANTED
USHMR2023	GR	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	GR	EPT	1900939.8	8-Jan-01	3050009	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	GR	EPT	947304.2	13-Jul-00	3060807	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	GR	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	GR	EPT	1902993.3	8-Jan-01	20050400192	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	GR	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	GR	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	GR	EPT	939372.9	25-May-00	3056175	26-Oct-05	25-May-20	GRANTED
USHR-1159	GR	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	GR	EPT	92024151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	GR	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1240	GR	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	GR	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	GR	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	GR	EPA	94115959.2	10-Oct-94	20020401201	28-Jan-02	10-Oct-14	GRANTED
USHR-1252	GR	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	GR	EPT	96923693.4-2107	8-Jul-96	3040743	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	GR	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	GR	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	GR	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01730	GB	EPT	95918278.3	28-Apr-95	20020402353	17-Jul-02	28-Apr-15	GRANTED
USM01810	GB	EPD	99114227.4	27-Jul-99	3049027	6-May-04	20-Nov-15	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01810	GR	EPT	95942465.6	20-Nov-95	3033329	8-Mar-00	20-Nov-15	GRANTED
USM01811	GR	EPT	96905292.7	26-Jan-96	3042581	30-Oct-02	26-Jan-16	GRANTED
USM01819	GR	EPD	3003577.8	17-Feb-03	20070402749	11-Jul-07	27-May-14	GRANTED
USM01820	GR	EPD	1114395.5	21-Jun-94	3063425	8-Aug-07	21-Jun-14	GRANTED
USM01829	GR	EPT	96913862.7	30-Apr-96	3047289	17-Dec-03	30-Apr-16	GRANTED
USM01835	GR	EPT	96936680.6	17-Oct-96	3045747	4-Jun-03	17-Oct-16	GRANTED
USM01843	GR	EPT	97907698.1	21-Feb-97	3039652	26-Jun-02	21-Feb-17	GRANTED
USM01845	GR	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	GR	EPT	97935308.3	4-Aug-97	3041512	4-Dec-02	4-Aug-17	GRANTED
USM01853	GR	EPT	97921288.3	24-Apr-97	3038443	28-Nov-01	24-Apr-17	GRANTED
USM01856	GR	EPT	97910819.8	7-Oct-97	3044366	16-Apr-03	7-Oct-17	GRANTED
USHMR2006	HK	EER	104506.9	21-Jul-00	HK1025323	17-Dec-04	27-Apr-18	GRANTED
USHMR2008	HK	EER	105108.8	16-Aug-00	HK1026096	14-Feb-03	27-Apr-18	GRANTED
USHMR2009	HK	EER	105090.8	15-Aug-00	HK1025954	16-Jul-04	27-Apr-18	GRANTED
USHMR2010	HK	EER	105074.8	15-Aug-00	HK1025904	5-Sep-03	21-Jul-18	GRANTED
USHMR2017	HK	EER	1101931.9	16-Mar-01	HK1030948	10-Dec-04	18-Feb-19	GRANTED
USHMR2018	HK	EER	7106018.8	6-Jun-07			6-Jun-27	FILED
USHMR2018	HK	EER	7106019.7	6-Jun-07			6-Jun-27	FILED
USHMR2022	HK	EER	1102844.3	23-Apr-01			17-Jun-19	FILED
USHMR2022	HK	EER	6112043.6	1-Nov-06			17-Jun-19	FILED
USHMR2025	HK	EER	2103401.5	4-May-02	HK1041643	29-Jul-05	22-Nov-19	GRANTED
USHMR2025	HK	EER	2103401.5	4-May-02	HK1041643	29-Jul-05	22-Nov-19	GRANTED
USHMR2038	HK	EER	8106719.9	18-Jun-08			21-Jul-20	FILED
USHMR2039	HK	EER	3102131.3	24-Mar-03			21-Jul-20	FILED
USHMR2039	HK	EER	3102131.3	24-Mar-03			21-Jul-20	FILED
USHMR2042	HK	EER	3109453.8	30-Dec-03			23-May-21	FILED
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USHR-1161	HK	EER	1109127.6	27-Dec-01	HK1038316	21-Jul-06	19-May-10	GRANTED
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USHR-1161	HK	EER	98113297.6	14-Dec-98			27-Oct-14	FILED
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USM01846	HK	EER	99105993.8	21-Dec-99	HK1020741	2-May-03	4-Aug-17	GRANTED
USM01853	HK	EER	99104317	5-Oct-99	HK1019147	19-Apr-02	24-Apr-17	GRANTED
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USHMR2025	HR	PCT	P20010446A	22-Nov-99			22-Nov-19	FILED
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USHMR2009	HU	PCT	P0003244	27-Apr-98			27-Apr-18	FILED
USHMR2010	HU	PCT	P0002183	21-Jul-98	224921	6-Feb-06	21-Jul-18	GRANTED
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USHMR2017	HU	PCT	P0100931	18-Feb-99			18-Feb-19	FILED
USHMR2022	HU	PCT	P0104159	17-Jun-99			17-Jun-19	FILED
USHMR2025	HU	PCT	P0105048	22-Nov-99			22-Nov-19	FILED
USHMR2034	HU	PCT	P0204126	8-Jan-01			8-Jan-21	FILED
USHMR2037	HU	PCT	P0202297	13-Jul-00			13-Jul-20	FILED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2038	HU	PCT	P0202246	21-Jul-00			21-Jul-20	FILED
USHMR2039	HU	PCT	P0202235	21-Jul-00			21-Jul-20	FILED
USHMR2039	HU	PCT	P0202235	21-Jul-00			21-Jul-20	FILED
USHMR2041	HU	PCT	P0204297	8-Jan-01	225155	1-Jun-06	8-Jan-21	GRANTED
USHR-1161	HU	NP	3090/90	18-May-90	218200	28-Apr-00	18-May-10	GRANTED
USHR-1161	HU	PIP	P/P00576	29-Jun-95	211853	6-Nov-95	18-May-10	GRANTED
USHR-1252	HU	NP	P9402124	18-Jul-94	217063	8-Sep-99	18-Jul-14	GRANTED
USHR-1267	HU	PCT	P9802413	8-Jul-96			8-Jul-16	FILED
USM01730	HU	PCT	P9603167	28-Apr-95			28-Apr-15	FILED
USM01810	HU	PCT	P9901108	20-Nov-95			20-Nov-15	FILED
USM01811	HU	PCT	P9802086	26-Jan-96			26-Jan-16	FILED
USM01823	HU	PCT	P9801254	16-Apr-96			16-Apr-16	FILED
USM01829	HU	PCT	P9802096	30-Apr-96			30-Apr-16	FILED
USM01835	HU	PCT	P9901876	17-Oct-96	225972	27-Dec-07	17-Oct-16	GRANTED
USM01843	HU	PCT	P9902135	21-Feb-97			21-Feb-17	FILED
USM01853	HU	PCT	P9901621	24-Apr-97			24-Apr-17	FILED
USHMR2010	ID	PCT	W-991512	21-Jul-98	ID0010797	9-Jun-03	21-Jul-18	GRANTED
USHMR2013	ID	PCT	W20000262	21-Jul-98	ID0009672	31-Dec-02	21-Jul-18	GRANTED
USHMR2017	ID	PCT	W-20001620	18-Feb-99	ID0011231	29-Jul-03	18-Feb-19	GRANTED
USHMR2025	ID	PCT	W00200101296	22-Nov-99			22-Nov-19	FILED
USHMR2034	ID	PCT	W-00200201650	8-Jan-01	ID0019455	29-Jun-07	8-Jan-21	GRANTED
USHMR2037	ID	PCT	W00200200123	13-Jul-00			13-Jul-20	FILED
USHMR2037	ID	PCT	W00200200123	13-Jul-00			13-Jul-20	FILED
USHMR2038	ID	PCT	W-00200200169	21-Jul-00			21-Jul-20	FILED
USHMR2039	ID	PCT	W-00200200170	21-Jul-00	ID0019967	25-Oct-07	21-Jul-20	GRANTED
USHMR2039	ID	PCT	W-00200200170	21-Jul-00	ID0019967	25-Oct-07	21-Jul-20	GRANTED
USHMR2041	ID	PCT	W-00 2002 01651	8-Jan-01	ID0018561	27-Dec-06	8-Jan-21	GRANTED
USHR-1161	ID	DIV	P00200800517	5-Aug-08			8-Jun-15	FILED
USHR-1161	ID	PCT	951058	8-Jun-95			8-Jun-15	FILED
USHR-1249	ID	NP	P-941730	13-Oct-94	ID0009287	14-Nov-02	13-Oct-14	GRANTED
USHR-1249	ID	NP	P-941729	13-Oct-94	ID0008740	9-Sep-02	13-Oct-14	GRANTED
USHR-1249	ID	NP	P-941728	13-Oct-94	ID0006991	12-Nov-01	13-Oct-14	GRANTED
USM01835	ID	NP	P00199603231	8-Nov-96	12552	13-Jan-04	8-Nov-16	GRANTED
USHMR2006	IE	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	IE	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	IE	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	IE	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	IE	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	IE	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	IE	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	IE	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	IE	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	IE	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	IE	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	IE	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	IE	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	IE	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	IE	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	IE	NP	3213/90	4-Sep-90	82202	8-Mar-02	4-Sep-10	GRANTED
USHR-1161	IE	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1240	IE	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	IE	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	IE	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHR-1249	IE	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1252	IE	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	IE	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	IE	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	IE	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	IE	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	IE	NP	1603/92	1-Jul-92	82023	20-Nov-01	1-Jul-12	GRANTED
USM01730	IE	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	IE	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	IE	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	IE	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	IE	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	IE	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	IE	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	IE	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	IE	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	IE	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	IE	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	IE	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	IE	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	IE	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2010	IL	PCT	133420	21-Jul-98	133420	24-Oct-04	21-Jul-18	GRANTED
USHMR2013	IL	PCT	134521	21-Jul-98			21-Jul-18	FILED
USHMR2017	IL	PCT	138044	18-Feb-99	138044	11-Jul-06	18-Feb-19	GRANTED
USHMR2019	IL	PCT	138043	18-Feb-99	138043	7-Apr-08	18-Feb-19	GRANTED
USHMR2022	IL	DIV	171062	17-Jun-99	171062	21-Dec-07	17-Jun-19	GRANTED
USHMR2022	IL	DIV	171060	17-Jun-99	171060	10-May-08	17-Jun-19	GRANTED
USHMR2022	IL	DIV	171061	17-Jun-99	171061	21-Dec-07	17-Jun-19	GRANTED
USHMR2022	IL	DIV	171479	17-Jun-99	171479	1-Feb-08	17-Jun-19	GRANTED
USHMR2022	IL	PCT	140649	17-Jun-99	140649	2-Nov-06	17-Jun-19	GRANTED
USHMR2022	IL	DIV	171063	17-Jun-99			17-Jun-19	FILED
USHMR2025	IL	PCT	143761	22-Nov-99	143761	2-Nov-06	22-Nov-19	GRANTED
USHMR2034	IL	PCT	150638	8-Jan-01			8-Jan-21	FILED
USHMR2036	IL	PCT	146729	7-Jun-00	146729	25-Oct-07	7-Jun-20	GRANTED
USHMR2037	IL	PCT	147310	13-Jul-00	147310	1-Feb-08	13-Jul-20	GRANTED
USHMR2038	IL	PCT	147755	21-Jul-00			21-Jul-20	FILED
USHMR2039	IL	PCT	147756	21-Jul-00	147756	19-Mar-06	21-Jul-20	GRANTED
USHMR2039	IL	PCT	147756	21-Jul-00	147756	19-Mar-06	21-Jul-20	GRANTED
USHMR2041	IL	PCT	150643	8-Jan-01			8-Jan-21	FILED
USHMR2042	IL	PCT	152908	23-May-01			23-May-21	FILED
USHMR2046	IL	PCT	146547	19-May-00	146547	14-Jul-08	19-May-20	GRANTED
USHMR2048	IL	PCT	146558	25-May-00			25-May-20	FILED
USHMR2053	IL	PCT	154589	23-Aug-01			23-Aug-21	FILED
USHR-1161	IL	NP	94425	17-May-90	94425	29-May-94	17-May-10	GRANTED
USHR-1249	IL	NP	111275	13-Oct-94	111275	13-Apr-03	13-Oct-14	GRANTED
USHR-1249	IL	NP	111273	13-Oct-94	111273	6-Jul-98	13-Oct-14	GRANTED
USHR-1267	IL	DIV	151521	8-Jul-96	151521	3-Jan-05	8-Jul-16	GRANTED
USHR-1267	IL	PCT	122845	8-Jul-96	122845	9-May-04	8-Jul-16	GRANTED
USHR-1273	IL	PCT	131243	20-Jan-98	131243	20-May-04	20-Jan-18	GRANTED
USM01730	IL	NP	113747	16-May-95	113747	15-Sep-05	16-May-15	GRANTED
USM01730	IL	DIV	134917	7-Mar-00	134917	15-Sep-05	16-May-15	GRANTED
USM01810	IL	NP	116428	18-Dec-95			18-Dec-15	FILED
USM01810	IL	NP	139141	19-Oct-00	139141	21-Feb-06	18-Dec-15	GRANTED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01810	IL	NP	139142	18-Dec-95	139142	25-Oct-04	18-Dec-15	GRANTED
USM01810	IL	DIV	128996	15-Mar-99	128996	29-Apr-01	18-Dec-15	GRANTED
USM01811	IL	DIV	134770	28-Feb-00	134770	12-May-02	23-Feb-16	GRANTED
USM01811	IL	DIV	134769	28-Feb-00	134769	12-May-02	23-Feb-16	GRANTED
USM01811	IL	NP	117237	23-Feb-96	117237	15-Apr-01	23-Feb-16	GRANTED
USM01811	IL	DIV	134771	28-Feb-00	134771	12-May-02	23-Feb-16	GRANTED
USM01811	IL	DIV	134772	28-Feb-00	134772	12-May-02	23-Feb-16	GRANTED
USM01829	IL	NP	118525	2-Jun-96	118525	25-Oct-01	2-Jun-16	GRANTED
USM01835	IL	PCT	124317	17-Oct-96	124317	15-Nov-02	17-Oct-16	GRANTED
USM01843	IL	PCT	126022	21-Feb-97	126022	24-Feb-04	21-Feb-17	GRANTED
USM01846	IL	PCT	129035	4-Aug-97	129035	11-Mar-07	4-Aug-17	GRANTED
USM01853	IL	PCT	126873	24-Apr-97	126873	26-Dec-05	24-Apr-17	GRANTED
USM01856	IL	PCT	129957	7-Oct-97	129957	20-Sep-05	7-Oct-17	GRANTED
USHMR2024	IN	PCT	PCT2001/00825/C	22-Nov-99			22-Nov-19	FILED
USHMR2034	IN	PCT	2002/00701/DEL	8-Jan-01	218455	1-Apr-08	8-Jan-21	GRANTED
USHMR2034	IN	DIV	2090/DELNP/2008	11-Mar-08			8-Jan-21	FILED
USHMR2036	IN	PCT	PCT2001/01670/C	7-Jun-00	215963	5-Mar-08	7-Jun-20	GRANTED
USHMR2038	IN	DIV		7-Aug-08			21-Jul-20	FILED
USHMR2038	IN	PCT	PCT2002/00117/C	21-Jul-00			21-Jul-20	FILED
USHMR2039	IN	PCT	PCT2002/00118/C	21-Jul-00			21-Jul-20	FILED
USHMR2039	IN	PCT	PCT2002/00118/C	21-Jul-00			21-Jul-20	FILED
USHMR2041	IN	PCT	2002/00700/DEL	8-Jan-01	215628	28-Feb-08	8-Jan-21	GRANTED
USHMR2041	IN	DIV	2039/DELNP/2008	10-Mar-08			8-Jan-21	FILED
USHMR2046	IN	PCT	PCT2001/01620/C	19-May-00	215958	5-Mar-08	19-May-20	GRANTED
USHMR2048	IN	PCT	PCT/2001/01621/C	25-May-00	201606	31-Aug-06	25-May-20	GRANTED
USHMR2053	IN	PCT	314/CHENP/2003	23-Aug-01	211573	2-Nov-07	23-Aug-21	GRANTED
USHMR2006	IT	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	IT	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2009	IT	EPT	98920897	27-Apr-98	983256	10-Mar-04	27-Apr-18	GRANTED
USHMR2010	IT	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	IT	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	IT	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	IT	EPT	99908220.9	18-Feb-99	19552BE/2004	22-Oct-03	18-Feb-19	GRANTED
USHMR2021	IT	EPT	964967.4	13-Sep-00	19288/BE/2004	19-Nov-03	13-Sep-20	GRANTED
USHMR2023	IT	EPT	964969	13-Sep-00	19540/BE/2004	19-Nov-03	13-Sep-20	GRANTED
USHMR2024	IT	EPT	963370.2	13-Sep-00	32377/BE/2003	13-Aug-03	13-Sep-20	GRANTED
USHMR2025	IT	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	IT	EPT	1900939.8	8-Jan-01	30389/BE/2004	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	IT	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	IT	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	IT	EPT	1902993.3	8-Jan-01	20284BE/2005	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	IT	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	IT	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	IT	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	IT	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	IT	EPT	92924151.1	4-Nov-92	612318	3-Sep-03	4-Nov-12	GRANTED
USHR-1161	IT	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	IT	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1230	IT	EPA	93107818.2	13-May-93	570850	11-Dec-96	13-May-13	GRANTED
USHR-1240	IT	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	IT	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	IT	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	IT	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHR-1251	IT	EPA	95111895.9	28-Jul-95	709378	19-Mar-03	28-Jul-15	GRANTED
USHR-1252	IT	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1256	IT	EPA	95113849.4	4-Sep-95	700913	3-Jun-98	4-Sep-15	GRANTED
USHR-1260	IT	EPT	96920335.5	14-May-96	848713	25-Oct-00	14-May-16	GRANTED
USHR-1262	IT	EPT	97950636.7	13-Nov-97	956287	13-Aug-03	13-Nov-17	GRANTED
USHR-1264	IT	EPT	97908068.6	10-Mar-97	892802	22-Oct-03	10-Mar-17	GRANTED
USHR-1267	IT	EPT	96923693.4-2107	8-Jul-96	28370BE/2002	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	IT	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1269	IT	EPT	97948250.2	13-Nov-97	950056	18-Sep-02	13-Nov-17	GRANTED
USHR-1270	IT	EPT	97908942.2	7-Mar-97	19483BE/2002	24-Oct-01	7-Mar-17	GRANTED
USHR-1273	IT	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01547	IT	EPA	91115485.4	12-Sep-91	23666BE/2001	13-Jun-01	12-Sep-11	GRANTED
USM01554K	IT	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01631	IT	EPA	92120653.8	3-Dec-92	25707 BE/2000	12-Jul-00	3-Dec-12	GRANTED
USM01730	IT	EPT	95918278.3	28-Apr-95	51063BE/2002	17-Jul-02	28-Apr-15	GRANTED
USM01738	IT	EPT	96911220	11-Mar-96	830347	22-Sep-04	11-Mar-16	GRANTED
USM01789	IT	EPT	97950690.4	21-Nov-97	26332BE/2001	5-Sep-01	21-Nov-17	GRANTED
USM01803	IT	EPT	821676	22-Mar-96	25708 BE/2000	5-Jul-00	22-Mar-16	GRANTED
USM01804	IT	EPT	94933902.9	21-Sep-95	50222BE/2002	8-May-02	21-Sep-15	GRANTED
USM01808	IT	EPT	95943478.8	15-Dec-95	802909	4-Oct-01	15-Dec-15	GRANTED
USM01810	IT	EPD	99114227.4	27-Jul-99	27584BE/2004	6-May-04	20-Nov-15	GRANTED
USM01810	IT	EPT	85942465.6	20-Nov-95	23260 BE/2000	8-Mar-00	20-Nov-15	GRANTED
USM01811	IT	EPT	86905292.7	26-Jan-96	47625BE/2003	30-Oct-02	26-Jan-16	GRANTED
USM01819	IT	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	IT	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	IT	EPT	96913862.7	30-Apr-96	20430BE/2004	17-Dec-03	30-Apr-16	GRANTED
USM01835	IT	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	IT	EPT	97907698.1	21-Feb-97	28981BE/2002	26-Jun-02	21-Feb-17	GRANTED
USM01845	IT	EPT	97907998.5	3-Mar-97	23406BE/2002	30-Jan-02	3-Mar-17	GRANTED
USM01846	IT	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	IT	EPT	97921288.3	24-Apr-97	21338BE/2002	28-Nov-01	24-Apr-17	GRANTED
USM01856	IT	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2010	JP	PCT	514300/99	21-Jul-98			21-Jul-18	FILED
USHMR2017	JP	PCT	2000-533431	18-Feb-99			18-Feb-19	FILED
USHMR2018	JP	PCT	2000-535626	11-Mar-99			11-Mar-19	FILED
USHMR2019	JP	PCT	2000-533430	18-Feb-99			18-Feb-19	FILED
USHMR2020	JP	PCT	2000-549591	30-Apr-99	4132671	6-Jun-08	30-Apr-19	GRANTED
USHMR2021	JP	PCT	2001-523409	13-Sep-00			13-Sep-20	FILED
USHMR2022	JP	PCT	2000-538076	17-Jun-99			17-Jun-19	FILED
USHMR2023	JP	PCT	2001-523410	13-Sep-00			13-Sep-20	FILED
USHMR2024	JP	PCT	2001-523398	13-Sep-00			13-Sep-20	FILED
USHMR2025	JP	PCT	2000-587744	22-Nov-99			22-Nov-19	FILED
USHMR2034	JP	PCT	553767/01	8-Jan-01			8-Jan-21	FILED
USHMR2036	JP	PCT	2001-501893	7-Jun-00			7-Jun-20	FILED
USHMR2037	JP	PCT	2001-511425	13-Jul-00			13-Jul-20	FILED
USHMR2038	JP	PCT	2001-511958	21-Jul-00			21-Jul-20	FILED
USHMR2039	JP	PCT	2001-511969	21-Jul-00			21-Jul-20	FILED
USHMR2039	JP	PCT	2001-511969	21-Jul-00			21-Jul-20	FILED
USHMR2040	JP	PCT	12-549379	20-May-99			20-May-19	FILED
USHMR2040	JP	PCT	2001-539825	22-Nov-00			22-Nov-20	FILED
USHMR2041	JP	PCT	553768/01	8-Jan-01			8-Jan-21	FILED
USHMR2042	JP	PCT	2001-585743	23-May-01			23-May-21	FILED
USHMR2046	JP	PCT	2000-618503	19-May-00			19-May-20	FILED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2048	JP	PCT	2000-620133	23-May-00			23-May-20	FILED
USHMR2053	JP	PCT	2002-524075	23-Aug-01			23-Aug-21	FILED
USHR-1153	JP	NP	7360390	26-Mar-90	3007001	11-Jan-96	26-Mar-10	GRANTED
USHR-1158	JP	NP	14888490	8-Jun-90	1967647	18-Sep-95	8-Jun-10	GRANTED
USHR-1159	JP	NP	23263990	4-Sep-90	2094573	4-Jun-96	4-Sep-10	GRANTED
USHR-1161	JP	PCT	05-508591	4-Nov-92	2927551	14-May-99	4-Nov-12	GRANTED
USHR-1161	JP	NP	12709090	18-May-90	1931594	12-May-95	18-May-10	GRANTED
USHR-1206	JP	NP	6681/92	17-Jan-92	2665422	20-Jun-97	17-Jan-12	GRANTED
USHR-1212	JP	NP	94177/92	14-Apr-92	3608359	13-Feb-97	14-Apr-12	GRANTED
USHR-1240	JP	NP	178201/93	19-Jul-93	2757745	13-Mar-98	19-Jul-13	GRANTED
USHR-1242	JP	NP	114468/1995	12-May-95	3816968	16-Jun-06	12-May-15	GRANTED
USHR-1244	JP	PCT	513352/1994	22-Nov-93	3462501	15-Aug-03	22-Nov-13	GRANTED
USHR-1249	JP	NP	250777/94	17-Oct-94	2664343	20-Jan-97	17-Oct-14	GRANTED
USHR-1249	JP	NP	250778/1994	17-Oct-94	2664344	20-Jun-97	17-Oct-14	GRANTED
USHR-1251	JP	NP	197209/1995	2-Aug-95	3947238	20-Apr-07	2-Aug-15	GRANTED
USHR-1252	JP	NP	165280/94	18-Jul-94	2807633	24-Jul-98	18-Jul-14	GRANTED
USHR-1253	JP	NP	204184/95	10-Aug-95	3339996	16-Aug-02	10-Aug-15	GRANTED
USHR-1256	JP	NP	230914/95	8-Sep-95	3117183	6-Oct-00	8-Sep-15	GRANTED
USHR-1262	JP	PCT	528741/98	13-Nov-97	3282827	1-Mar-02	13-Nov-17	GRANTED
USHR-1264	JP	PCT	536197/1997	10-Mar-97	3615225	12-Nov-04	10-Mar-17	GRANTED
USHR-1267	JP	PCT	307602/97	8-Jul-96			8-Jul-16	FILED
USHR-1268	JP	PCT	2000-513832	4-Sep-98	3687899	17-Jun-05	4-Sep-18	GRANTED
USHR-1269	JP	PCT	529990/98	13-Nov-97			13-Nov-17	FILED
USHR-1270	JP	PCT	537084/97	7-Mar-97	4109718	11-Apr-08	7-Mar-17	GRANTED
USHR-1273	JP	PCT	534617/98	20-Jan-98			20-Jan-18	FILED
USM015541	JP	PCT	2000-575839	14-Oct-98			14-Oct-18	FILED
USM01730	JP	DIV	2002-55433	1-Mar-02			28-Apr-15	FILED
USM01730	JP	DIV	2002-55435	1-Mar-02			28-Apr-15	FILED
USM01730	JP	DIV	2002-55432	1-Mar-02			28-Apr-15	FILED
USM01730	JP	DIV	2002-55431	1-Mar-02			28-Apr-15	FILED
USM01738	JP	PCT	530998/96	11-Mar-96	3950170	27-Apr-07	11-Mar-16	GRANTED
USM01786	JP	PCT	527578/96	6-Feb-96	3825472	7-Jul-06	6-Feb-16	GRANTED
USM01789	JP	PCT	527720/98	21-Nov-97			21-Nov-17	FILED
USM01793	JP	PCT	500871/96	5-May-95	3623799	3-Dec-04	5-May-15	GRANTED
USM01803	JP	PCT	531741/96	22-Mar-96	3717185	9-Sep-05	22-Mar-16	GRANTED
USM01804	JP	PCT	514563/96	21-Sep-95	3934678	30-Mar-07	21-Sep-15	GRANTED
USM01808	JP	PCT	521609/96	15-Dec-95	4157601	18-Jul-08	15-Dec-15	GRANTED
USM01810	JP	PCT	519800/96	20-Nov-95	3638408	18-Mar-05	20-Nov-15	GRANTED
USM01811	JP	DIV	2008-152525	11-Jun-08			26-Jan-16	FILED
USM01811	JP	PCT	526257/1996	26-Jan-96	4105762	4-Apr-08	26-Jan-16	GRANTED
USM01811	JP	DIV	2004-170680	9-Jun-04			26-Jan-16	FILED
USM01819	JP	PCT	7-501022	27-May-94	3394777	31-Jan-03	27-May-14	GRANTED
USM01820	JP	PCT	7-503047	21-Jun-94	3469579	5-Sep-03	21-Jun-14	GRANTED
USM01820	JP	DIV	2003-159838	4-Jun-03	3672558	28-Apr-05	4-Jun-23	GRANTED
USM01829	JP	PCT	500501/1997	30-Apr-96	4091655	7-Mar-08	30-Apr-16	GRANTED
USM01835	JP	PCT	518189/97	17-Oct-96	3407261	14-Mar-03	17-Oct-16	GRANTED
USM01842	JP	PCT	538865/97	12-Mar-97			12-Mar-17	FILED
USM01843	JP	PCT	533467/97	21-Feb-97			21-Feb-17	FILED
USM01843	JP	PCT	538862/97	3-Mar-97			3-Mar-17	FILED
USM01846	JP	PCT	514658/98	4-Aug-97	3962091	23-May-07	4-Aug-17	GRANTED
USM01853	JP	PCT	542371/97	24-Apr-97	3897363	5-Jan-07	24-Apr-17	GRANTED
USM01856	JP	PCT	523639/98	7-Oct-97			7-Oct-17	FILED
USM01858	JP	PCT	527682/98	3-Nov-97			3-Nov-17	FILED

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USM01860	JP	PCT	524633/98	12-Sep-97			12-Sep-17	FILED
USHMR2010	KR	PCT	10-1999-7011550	21-Jul-98	10-0514264	5-Sep-05	21-Jul-18	GRANTED
USHMR2013	KR	PCT	10-2000-7001447	21-Jul-98	522985	13-Oct-05	21-Jul-18	GRANTED
USHMR2017	KR	PCT	10-2000-7009421	18-Feb-99	10-0568658	31-Mar-06	18-Feb-19	GRANTED
USHMR2019	KR	PCT	10-2000-7009424	18-Feb-99	10-0568657	31-Mar-06	18-Feb-19	GRANTED
USHMR2022	KR	PCT	10-2000-7015062	17-Jun-99			17-Jun-19	FILED
USHMR2022	KR	DIV	10-2006-7006908	10-Apr-06	682447	7-Feb-07	17-Jun-19	GRANTED
USHMR2025	KR	PCT	10-2001-7007561	22-Nov-99	707710	9-Apr-07	22-Nov-19	GRANTED
USHMR2034	KR	PCT	7009215/2002	8-Jan-01	806464	15-Feb-08	8-Jan-21	GRANTED
USHMR2036	KR	PCT	10-2001-7015764	7-Jun-00	722176	21-May-07	7-Jun-20	GRANTED
USHMR2037	KR	PCT	10-2002-7000670	13-Jul-00	737718	4-Jul-07	13-Jul-20	GRANTED
USHMR2038	KR	PCT	10-2002-7000944	21-Jul-00	10-0693263	5-Mar-07	21-Jul-20	GRANTED
USHMR2039	KR	DIV	10-2007-7025804	7-Nov-07			21-Jul-20	FILED
USHMR2041	KR	PCT	7009140/2002	8-Jan-01	825530	21-Apr-08	8-Jan-21	GRANTED
USHMR2042	KR	PCT	10-2002-7015968	23-May-01	784635	5-Dec-07	23-May-21	GRANTED
USHMR2046	KR	PCT	10-2001-7014682	19-May-00	733930	25-Jun-07	19-May-20	GRANTED
USHMR2048	KR	PCT	10-2001-7015065	25-May-00	10-0755096	28-Aug-07	25-May-20	GRANTED
USHMR2053	KR	PCT	10-2003-7002754	23-Aug-01	810927	29-Feb-08	23-Aug-21	GRANTED
USHR-1108	KR	NP	884516	21-Apr-88	104884	17-Sep-96	15-May-11	GRANTED
USHR-1110	KR	NP	884603	23-Apr-88	112642	4-Mar-97	23-Oct-11	GRANTED
USHR-1161	KR	NP	90-7102	18-May-90	157308	29-Jul-98	29-Jul-13	GRANTED
USHR-1161	KR	PCT	94-701524	4-Nov-92	276764	4-Oct-00	4-Nov-12	GRANTED
USHR-1161	KR	DIV	10-2000-7006240	8-Jun-00	10-0279023	26-Oct-00	4-Nov-12	GRANTED
USHR-1177	KR	NP	90-11816	1-Aug-90	164437	12-Sep-98	12-Sep-13	GRANTED
USHR-1212	KR	NP	926109	13-Apr-92	201509	15-Mar-99	15-Jun-14	GRANTED
USHR-1240	KR	NP	10-1993-0013630	20-Jul-93	292212	21-Mar-01	20-Jul-13	GRANTED
USHR-1249	KR	NP	94-26304	14-Oct-94	189043	14-Jan-99	14-Oct-14	GRANTED
USHR-1249	KR	NP	94-26305	14-Oct-94	227957	6-Aug-99	1-Nov-14	GRANTED
USHR-1249	KR	NP	94-26303	14-Oct-94	169114	9-Oct-98	14-Oct-14	GRANTED
USHR-1252	KR	NP	10-1994-0017236	18-Jul-94	325276	6-Feb-02	18-Jul-14	GRANTED
USHR-1267	KR	PCT	10-1998-700634	8-Jul-96	10-445629	13-Aug-04	8-Jul-16	GRANTED
USHR-1273	KR	PCT	99-7007127	20-Jan-98	599878	17-Aug-05	20-Jan-18	GRANTED
USM01554K	KR	DIV	10-2006-7008591	3-May-06	735513	28-Jun-07	29-Jul-19	GRANTED
USM01810	KR	PCT	10-1997-704203	20-Nov-95	378610	20-Mar-03	20-Nov-15	GRANTED
USM01810	KR	DIV	10-2002-7014324	25-Oct-02	10-382850	22-Apr-03	20-Nov-15	GRANTED
USM01811	KR	PCT	10-1997-0705981	26-Jan-96	405116	30-Oct-03	26-Jan-16	GRANTED
USM01829	KR	PCT	10-1997-708985	30-Apr-96	509316	11-Aug-05	30-Apr-16	GRANTED
USM01843	KR	PCT	10-1998-707435	21-Feb-97	10-423018	3-Mar-04	21-Feb-17	GRANTED
USM01845	KR	PCT	10-1998-708692	3-Mar-97	10-0503181	14-Jul-05	3-Mar-17	GRANTED
USM01846	KR	PCT	99-7002336	4-Aug-97	545460	17-Jan-06	4-Aug-17	GRANTED
USM01853	KR	DIV	10-2005-7012238	29-Jun-05	10-0517582	21-Sep-05	24-Apr-17	GRANTED
USM01853	KR	PCT	98-709708	24-Apr-97	542841	5-Jan-06	24-Apr-17	GRANTED
USM01856	KR	DIV	10-2006-7001270	7-Oct-97	648188	14-Nov-06	7-Oct-17	GRANTED
USM01856	KR	PCT	10-1999-7004402	7-Oct-97	698995	16-Mar-07	7-Oct-17	GRANTED
USHR-1161	KZ	PCT	941593.1	4-Nov-92	8189	16-Nov-99	4-Nov-12	GRANTED
USHMR2037	LI	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2042	LI	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	LI	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHR-1161	LI	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USM01820	LI	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USHMR2017	LT	EEP	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2034	LT	EEP	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHR-1267	LT	EEP	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01810	LT	EEP	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	LT	EEP	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01843	LT	EEP	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	LT	EEP	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	LT	EEP	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USHMR2006	LU	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	LU	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	LU	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	LU	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	LU	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2018	LU	EPT	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2025	LU	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	LU	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	LU	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	LU	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	LU	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	LU	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	LU	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	LU	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	LU	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	LU	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	LU	EPT	90912878.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	LU	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	LU	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	LU	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	LU	EPA	94115939.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1252	LU	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	LU	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USM01535	LU	EPA	90116565.4	29-Aug-90	415384	19-Mar-97	29-Aug-10	GRANTED
USM01534K	LU	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	LU	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	LU	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	LU	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	LU	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	LU	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	LU	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	LU	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	LU	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	LU	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	LU	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	LU	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	LU	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	LU	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	LU	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	LU	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	LU	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2017	LV	EEP	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2034	LV	EEP	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHR-1267	LV	EEP	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USM01811	LV	EEP	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01843	LV	EEP	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	LV	EEP	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	LV	EEP	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED

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USM01835	MA	NP	PV24387	5-Nov-96	24128	31-Dec-97	5-Nov-16	GRANTED
USHMR2006	MC	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	MC	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	MC	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	MC	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	MC	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2037	MC	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHR-1267	MC	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USM01554K	MC	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01730	MC	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	MC	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	MC	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	MC	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	MC	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	MC	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	MC	EPD	1114395.5	21-Jun-94	1150059	8-Aug-07	21-Jun-14	GRANTED
USM01829	MC	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	MC	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	MC	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	MC	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	MC	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	MC	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	MC	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2025	ME	EER	P194/08	22-Nov-99			22-Nov-19	FILED
USM01554K	ME	EER	P-203/08	29-Jul-99			29-Jul-19	FILED
USHMR2017	MK	EEP	99936074.6	18-Feb-99	901330	16-Jun-04	18-Feb-19	GRANTED
USHMR2018	MK	EPT	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2034	MK	EEP	P20030350	8-Jan-01	901235	31-Oct-05	8-Jan-21	GRANTED
USHMR2006	MX	PCT	9910774	27-Apr-98	219093	10-Feb-04	27-Apr-18	GRANTED
USHMR2017	MX	PCT	8376	18-Feb-99	228042	26-May-05	18-Feb-19	GRANTED
USHMR2019	MX	PCT	8377	18-Feb-99	230128	22-Aug-05	18-Feb-19	GRANTED
USHMR2021	MX	PCT	PA/a/2002/002690	13-Sep-00	229780	8-Aug-05	13-Sep-20	GRANTED
USHMR2022	MX	PCT	PA/a/2000/013006	17-Jun-99	246472	15-Jun-07	17-Jun-19	GRANTED
USHMR2023	MX	PCT	PA/a/2002/002695	13-Sep-00	227932	20-May-05	13-Sep-20	GRANTED
USHMR2024	MX	PCT	PA/a/2002/002694	13-Sep-00	234194	8-Feb-06	13-Sep-20	GRANTED
USHMR2025	MX	PCT	PA/a/2001/005920	22-Nov-99	232543	2-Dec-05	22-Nov-19	GRANTED
USHMR2034	MX	PCT	PA/a/2002/007005	8-Jan-01	232013	9-Nov-05	8-Jan-21	GRANTED
USHMR2036	MX	PCT	PA/a/2001/011417	7-Jun-00	230997	3-Oct-05	7-Jun-20	GRANTED
USHMR2037	MX	PCT	PA/a/2002/000444	13-Jul-00	231898	8-Nov-05	13-Jul-20	GRANTED
USHMR2038	MX	PCT	PA/a/2002/000804	21-Jul-00	244931	12-Apr-07	21-Jul-20	GRANTED
USHMR2039	MX	PCT	PA/a/2002/000805	21-Jul-00			21-Jul-20	FILED
USHMR2039	MX	PCT	PA/a/2002/000805	21-Jul-00			21-Jul-20	FILED
USHMR2041	MX	PCT	PA/a/2002/006965	8-Jan-01	236735	10-May-06	8-Jan-21	GRANTED
USHMR2042	MX	PCT	PA/a/2002/011511	23-May-01			23-May-21	FILED
USHMR2046	MX	PCT	PA/a/2001/011730	19-May-00	230116	22-Aug-05	19-May-20	GRANTED
USHMR2048	MX	PCT	PA/a/2001/011988	25-May-00	237593	7-Jun-06	25-May-20	GRANTED
USHMR2053	MX	PCT	PA/a/2003/001622	23-Aug-01	258094	23-Jun-08	23-Aug-21	GRANTED
USHR-1161	MX	DIV	988091	1-Oct-98			18-May-10	FILED
USHR-1161	MX	NP	PA/a/1992/006370	5-Nov-92			5-Nov-12	FILED
USHR-1161	MX	DIV	988090	1-Oct-98			18-May-10	FILED
USHR-1161	MX	PCT	948405	28-Oct-94	237899	20-Jun-06	27-Oct-14	GRANTED
USHR-1230	MX	NP	932889	18-May-93	183506	9-Dec-96	18-May-13	GRANTED
USM01829	MX	PCT	9709453	30-Apr-96	202312	13-Jun-01	30-Apr-16	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01835	MX	PCT	983697	17-Oct-96	219069	10-Feb-04	17-Oct-16	GRANTED
USM01843	MX	PCT	PA/A/1998/007635	21-Feb-97			21-Feb-17	FILED
USM01856	MX	PCT	9904653	7-Oct-97	221809	29-Jul-04	7-Oct-17	GRANTED
USHMR2006	NL	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	NL	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	NL	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	NL	EPT	98933892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	NL	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	NL	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	NL	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	NL	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	NL	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	NL	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	NL	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	NL	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	NL	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	NL	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	NL	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	NL	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	NL	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	NL	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	NL	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	NL	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	NL	EPA	94115939.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1249	NL	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1252	NL	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	NL	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	NL	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	NL	EPT	98902628.1	20-Jan-98	1013446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	NL	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	NL	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	NL	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	NL	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	NL	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	NL	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	NL	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01819	NL	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	NL	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	NL	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	NL	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	NL	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	NL	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	NL	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	NL	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	NL	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	NL	EPT	97916819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2006	NO	PCT	995698	27-Apr-98	314038	20-Jan-03	27-Apr-18	GRANTED
USHMR2010	NO	PCT	20000932	21-Jul-98	318246	21-Feb-05	21-Jul-18	GRANTED
USHMR2013	NO	PCT	20000706	21-Jul-98	325148	11-Feb-08	21-Jul-18	GRANTED
USHMR2017	NO	PCT	20004281	18-Feb-99			18-Feb-19	FILED
USHMR2019	NO	PCT	20004280	18-Feb-99			18-Feb-19	FILED
USHMR2022	NO	PCT	20006694	17-Jun-99	319534	29-Aug-05	17-Jun-19	GRANTED
USHMR2025	NO	PCT	20012981	22-Nov-99			22-Nov-19	FILED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2034	NO	PCT	20023386	8-Jan-01	322572	30-Oct-06	8-Jan-21	GRANTED
USHMR2036	NO	PCT	20015972	7-Jun-00			7-Jun-20	FILED
USHMR2037	NO	PCT	20020213	13-Jul-00	324177	3-Sep-07	13-Jul-20	GRANTED
USHMR2038	NO	PCT	20020303	21-Jul-00			21-Jul-20	FILED
USHMR2039	NO	PCT	20020304	21-Jul-00			21-Jul-20	FILED
USHMR2039	NO	PCT	20020304	21-Jul-00			21-Jul-20	FILED
USHMR2041	NO	PCT	20023385	8-Jan-01	322626	6-Nov-06	8-Jan-21	GRANTED
USHMR2042	NO	PCT	20025630	23-May-01			23-May-21	FILED
USHMR2046	NO	PCT	20015635	19-May-00			19-May-20	FILED
USHMR2048	NO	PCT	20015707	25-May-00			25-May-20	FILED
USHMR2053	NO	PCT	20030856	23-Aug-01			23-Aug-21	FILED
USHR-1161	NO	PCT	P961686	27-Oct-94	306994	24-Jan-00	27-Oct-14	GRANTED
USHR-1161	NO	PCT	P941647	4-Nov-92	304979	15-Mar-99	4-Nov-12	GRANTED
USHR-1161	NO	NP	P902214	18-May-90	177301	23-Aug-95	18-May-10	GRANTED
USHR-1249	NO	NP	P19943893	14-Oct-94	310415	2-Jul-01	14-Oct-14	GRANTED
USHR-1249	NO	NP	P943894	14-Oct-94	307463	10-Apr-00	14-Oct-14	GRANTED
USHR-1249	NO	NP	P943895	14-Oct-94	307464	10-Apr-00	14-Oct-14	GRANTED
USHR-1252	NO	NP	P942695	18-Jul-94	306597	29-Nov-99	18-Jul-14	GRANTED
USHR-1267	NO	PCT	980334	8-Jul-96	315148	21-Jul-03	8-Jul-16	GRANTED
USM01730	NO	PCT	19964859	28-Apr-93	315319	18-Aug-03	28-Apr-15	GRANTED
USM01810	NO	DIV	20001822	7-Apr-00	310025	7-May-01	20-Nov-15	GRANTED
USM01811	NO	DIV	20065390	23-Nov-06			26-Jan-16	FILED
USM01811	NO	PCT	19973938	26-Jan-96	325760	14-Jul-08	26-Jan-16	GRANTED
USM01825	NO	PCT	19975130	16-Apr-96	309649	5-Mar-01	16-Apr-16	GRANTED
USM01829	NO	PCT	19975680	30-Apr-96	318029	24-Jan-05	30-Apr-16	GRANTED
USM01835	NO	PCT	19982083	17-Oct-96	324401	1-Oct-07	17-Oct-16	GRANTED
USM01843	NO	DIV	20033184	11-Jul-03			21-Feb-17	FILED
USM01843	NO	PCT	19984348	21-Feb-97	316788	10-May-04	21-Feb-17	GRANTED
USM01853	NO	PCT	19985577	24-Apr-97	312457	13-May-02	24-Apr-17	GRANTED
USM01855	NO	PCT	19992390	7-Oct-97	318039	24-Jan-05	7-Oct-17	GRANTED
USHMR2006	NZ	PCT	500639	27-Apr-98	500639	17-Dec-01	27-Apr-18	GRANTED
USHMR2008	NZ	PCT	500762	27-Apr-98	500762	17-Dec-01	27-Apr-18	GRANTED
USHMR2009	NZ	PCT	500699	27-Apr-98	506699	17-Dec-01	27-Apr-18	GRANTED
USHMR2010	NZ	PCT	501248	21-Jul-98	501248	9-Oct-01	21-Jul-18	GRANTED
USHMR2013	NZ	PCT	502133	21-Jul-98	502133	8-Jul-02	21-Jul-18	GRANTED
USHMR2017	NZ	PCT	506234	18-Feb-99	506234	8-Sep-03	18-Feb-19	GRANTED
USHMR2018	NZ	PCT	506807	11-Mar-99	506807	7-Jul-03	11-Mar-19	GRANTED
USHMR2018	NZ	DIV	523652	15-Jan-03	523652	12-Aug-04	11-Mar-19	GRANTED
USHMR2022	NZ	PCT	508477	17-Jun-99	508477	29-Mar-04	17-Jun-19	GRANTED
USHMR2022	NZ	DIV	528839	10-Oct-03	528839	7-Jul-05	17-Jun-19	GRANTED
USHMR2025	NZ	PCT	511962	22-Nov-99	511962	6-Oct-03	22-Nov-19	GRANTED
USHMR2034	NZ	PCT	520280	8-Jan-01	520280	12-Aug-04	8-Jan-21	GRANTED
USHMR2036	NZ	PCT	514603	7-Jun-00	514603	9-Feb-04	7-Jun-20	GRANTED
USHMR2037	NZ	PCT	516286	13-Jul-00	516286	5-Jul-04	13-Jul-20	GRANTED
USHMR2038	NZ	PCT	516735	21-Jul-00	516735	10-May-04	21-Jul-20	GRANTED
USHMR2039	NZ	PCT	516736	21-Jul-00	516736	8-Jun-04	21-Jul-20	GRANTED
USHMR2039	NZ	PCT	516736	21-Jul-00	516736	8-Jun-04	21-Jul-20	GRANTED
USHMR2041	NZ	PCT	520281	8-Jan-01	520281	30-Apr-04	8-Jan-21	GRANTED
USHMR2042	NZ	PCT	522659	23-May-01	522659	7-Oct-04	23-May-21	GRANTED
USHMR2046	NZ	PCT	515970	19-May-00	515970	29-Mar-04	19-May-20	GRANTED
USHMR2048	NZ	PCT	515971	25-May-00	515971	29-Mar-04	25-May-20	GRANTED
USHMR2053	NZ	PCT	524386	23-Aug-01	524386	9-Feb-06	23-Aug-21	GRANTED
USHR-1161	NZ	PCT	275941	27-Oct-94	275941	9-Nov-98	27-Oct-14	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHR-1161	NZ	NP	233710	17-May-90	233710	25-Jun-95	17-May-10	GRANTED
USHR-1161	NZ	NP	245006	3-Nov-92	245006	18-Mar-96	3-Nov-12	GRANTED
USHR-1249	NZ	NP	264681	15-Oct-94	264681	7-Apr-98	15-Oct-14	GRANTED
USHR-1249	NZ	NP	264683	13-Oct-94	264683	6-Jul-98	13-Oct-14	GRANTED
USHR-1249	NZ	NP	264682	13-Oct-94	264682	3-Nov-95	13-Oct-14	GRANTED
USHR-1252	NZ	NP	264015	15-Jul-94	264015	12-Nov-97	15-Jul-14	GRANTED
USHR-1267	NZ	PCT	312577	8-Jul-96	312577	20-Dec-99	8-Jul-16	GRANTED
USM01599	NZ	NP	242730	14-May-92	242730	18-Feb-95	14-May-12	GRANTED
USM01730	NZ	PCT	285229	28-Apr-95	285229	10-Dec-98	28-Apr-15	GRANTED
USM01810	NZ	DIV	334608	11-Mar-99	334608	20-Nov-99	20-Nov-15	GRANTED
USM01810	NZ	PCT	298243	20-Nov-93	298243	11-Aug-99	20-Nov-15	GRANTED
USM01811	NZ	PCT	302926	26-Jan-96	302926	11-Feb-99	26-Jan-16	GRANTED
USM01819	NZ	PCT	267843	27-May-94	267843	5-Feb-98	27-May-14	GRANTED
USM01820	NZ	PCT	268292	21-Jun-94	268292	15-Jan-98	21-Jun-14	GRANTED
USM01825	NZ	PCT	306319	16-Apr-96	306319	20-Dec-99	16-Apr-16	GRANTED
USM01829	NZ	PCT	307370	30-Apr-96	307370	12-Nov-99	30-Apr-16	GRANTED
USM01835	NZ	PCT	321272	17-Oct-96	321272	20-Dec-99	17-Oct-16	GRANTED
USM01843	NZ	PCT	331448	21-Feb-97	331448	5-Oct-00	21-Feb-17	FILED
USM01846	NZ	PCT	334490	4-Aug-97	334490	7-Dec-00	4-Aug-17	GRANTED
USM01853	NZ	PCT	332597	24-Apr-97	332597	7-Dec-00	24-Apr-17	GRANTED
USM01856	NZ	PCT	335440	7-Oct-97	335440	9-Nov-01	7-Oct-17	GRANTED
USHMR2010	OA	PCT	1200000029	21-Jul-98	11285	3-Jul-00	21-Jul-18	GRANTED
USHMR2013	OA	PCT	1200000032	21-Jul-98	11287	3-Jul-00	21-Jul-18	GRANTED
USHMR2017	OA	PCT	1200000234	18-Feb-99	11480	15-Mar-01	18-Feb-19	GRANTED
USHMR2025	OA	PCT	1200100150	22-Nov-99	11728	22-Mar-02	22-Nov-19	GRANTED
USHR-1110	PH	NP	36833	22-Apr-88	26127	24-Feb-92	24-Feb-09	GRANTED
USHR-1159	PH	NP	41122	3-Sep-90	28671	19-Dec-94	19-Dec-11	GRANTED
USHR-1161	PH	DIV	1-1995-51628	2-Nov-95				FILED
USHR-1161	PH	NP	40530	17-May-90	30431	9-May-97	9-May-14	GRANTED
USHR-1161	PH	DIV	44870	28-Aug-92	30447	9-May-97	9-May-14	GRANTED
USHR-1161	PH	DIV	45259	12-Nov-92	30432	9-May-97	9-May-14	GRANTED
USHR-1161-4Y-0	PH	DIV	1-1999-02466	1-Oct-99	1-1999-02466	7-May-04	7-May-21	GRANTED
USHR-1161-4Y-0	PH	DIV	1-1999-002467	1-Oct-99	1-1999-002467	26-May-03	26-May-20	GRANTED
USHR-1161-4Y-2	PH	DIV	1-1999-02469	1-Oct-99	1-1999-02469	7-May-04	7-May-21	GRANTED
USM01835	PH	NP	54708	7-Nov-96	1-1996-54708	7-Oct-05	7-Oct-22	GRANTED
USHMR2010	PL	PCT	P337348	21-Jul-98	PAT-192079	2-Feb-06	21-Jul-18	GRANTED
USHMR2013	PL	PCT	P-338579	21-Jul-98	191607	19-Jun-06	21-Jul-18	GRANTED
USHMR2025	PL	PCT	P-348233	22-Nov-99	196822	3-Aug-07	22-Nov-19	GRANTED
USHMR2034	PL	PCT	P-356165	8-Jan-01			8-Jan-21	FILED
USHMR2037	PL	PCT	P353749	13-Jul-00			13-Jul-20	FILED
USHMR2038	PL	PCT	P353569	21-Jul-00			21-Jul-20	FILED
USHMR2041	PL	PCT	P 355992	8-Jan-01			8-Jan-21	FILED
USHMR2042	PL	PCT	P-359176	23-May-01			23-May-21	FILED
USHMR2008	PT	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	PT	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	PT	EPT	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	PT	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	PT	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	PT	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	PT	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	PT	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	PT	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	PT	EPT	1902993.3	8-Jan-01	1252153	8-Dec-04	8-Jan-21	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2042	PT	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	PT	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	PT	EPT	939372.9	25-May-00	1190366	26-Oct-05	23-May-20	GRANTED
USHR-1161	PT	EPA	92118982.5	5-Nov-92	542136	16-Oct-02	5-Nov-12	GRANTED
USHR-1240	PT	EPA	93111209.8	13-Jul-93	581106	26-May-98	13-Jul-13	GRANTED
USHR-1242	PT	EPA	95106921	8-May-95	683165	2-Aug-00	8-May-15	GRANTED
USHR-1249	PT	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	PT	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1252	PT	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	PT	EPT	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USHR-1268	PT	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	PT	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	PT	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	PT	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	PT	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	PT	EPD	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	PT	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	PT	EPT	96905292.7	26-Jan-96	812193	30-Oct-02	26-Jan-16	GRANTED
USM01819	PT	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01819	PT	EPT	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01820	PT	EPT	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	PT	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	PT	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	PT	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	PT	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	PT	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	PT	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	PT	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	PT	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2008	RO	EEP	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	RO	EEP	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	RO	EEP	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	RO	EEP	99936074.6	18-Feb-99	1036745	16-Jun-04	18-Feb-19	GRANTED
USHMR2018	RO	EEP	99911318.6-2101	11-Mar-99	1192134	19-Sep-07	11-Mar-19	GRANTED
USHMR2034	RO	EEP	1900939.8	8-Jan-01	2002178053	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	RO	EEP	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2041	RO	EEP	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHR-1161	RO	PCT	96-00888	27-Oct-94	120341	28-Feb-07	27-Oct-14	GRANTED
USHR-1249	RO	NP	94-01668	14-Oct-94	114132	29-Jan-99	14-Oct-14	GRANTED
USHR-1249	RO	NP	94-01670	14-Oct-94	114134	31-Dec-98	14-Oct-14	GRANTED
USHR-1249	RO	NP	94-01669	14-Oct-94	114133	29-Jan-99	14-Oct-14	GRANTED
USM01835	RO	EEP	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	RO	EEP	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01843	RO	EEP	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	RO	EEP	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	RO	EEP	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	RO	EEP	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	RO	EEP	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2025	RS	PCT	P-414/01	22-Nov-99			22-Nov-19	FILED
USHMR2038	RS	PCT	P-47/02	21-Jul-00			21-Jul-20	FILED
USHMR2039	RS	PCT	P-46/02	21-Jul-00			21-Jul-20	FILED
USHMR2039	RS	PCT	P-46/02	21-Jul-00			21-Jul-20	FILED
USM01554K	RS	PCT	P-153/01	29-Jul-99			29-Jul-19	FILED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO HMR
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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2010	RU	PCT	99125326	21-Jul-98	2207879	10-Jul-03	21-Jul-18	GRANTED
USHMR2013	RU	PCT	2000106042	21-Jul-98	2197967	10-Feb-03	21-Jul-18	GRANTED
USHMR2017	RU	PCT	2000124409	18-Feb-99	2191777	27-Oct-02	18-Feb-19	GRANTED
USHMR2025	RU	EAT	200100551	22-Nov-99	4502	29-Apr-04	22-Nov-19	GRANTED
USHMR2034	RU	EAT	200200775	8-Jan-01	5247	30-Dec-04	8-Jan-21	GRANTED
USHMR2038	RU	EAT	200200073/28	21-Jul-00	6220	27-Oct-05	21-Jul-20	GRANTED
USHMR2039	RU	EAB	200200072/28	21-Jul-00	7070	26-Jul-06	21-Jul-20	GRANTED
USHMR2041	RU	EAB	200200776	8-Jan-01	5182	30-Dec-04	8-Jan-21	GRANTED
USHR-1161	RU	PCT	94028105	4-Nov-92	2127731	20-Mar-99	4-Nov-12	GRANTED
USHR-1161	RU	DIV	99126501	20-Dec-99	2239434	10-Nov-04	18-May-10	GRANTED
USHR-1252	RU	NP	94026084.04	18-Jul-94	2164795	10-Apr-01	18-Jul-14	GRANTED
USM01835	SA	NP	97170803	9-Apr-97	930	20-Jun-06	9-Apr-17	GRANTED
USHMR2006	SE	EPT	98919929.4	27-Apr-98	983270	18-Feb-04	27-Apr-18	GRANTED
USHMR2008	SE	EPT	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	SE	EPT	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	SE	EPT	98935892.4	21-Jul-98	1003528	23-Sep-02	21-Jul-18	GRANTED
USHMR2017	SE	EPT	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2019	SE	EPT	99908220.9	18-Feb-99	1056744	22-Oct-03	18-Feb-19	GRANTED
USHMR2025	SE	EPT	99960556.1	22-Nov-99	1140026	7-Sep-05	22-Nov-19	GRANTED
USHMR2034	SE	EPT	1900939.8	8-Jan-01	1259507	11-Aug-04	8-Jan-21	GRANTED
USHMR2036	SE	EPT	939629.2	7-Jun-00	1183541	29-Mar-06	7-Jun-20	GRANTED
USHMR2037	SE	EPT	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2038	SE	EPT	960177.4	21-Jul-00	1200115	21-Sep-05	21-Jul-20	GRANTED
USHMR2041	SE	EPT	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	SE	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2046	SE	EPT	936091.8	19-May-00	1185699	26-Dec-07	19-May-20	GRANTED
USHMR2048	SE	EPT	939372.9	25-May-00	1190366	26-Oct-05	25-May-20	GRANTED
USHR-1159	SE	EPA	90116826	1-Sep-90	417584	4-Feb-98	1-Sep-10	GRANTED
USHR-1161	SE	EPA	90109208	16-May-90	402644	16-Aug-95	16-May-10	GRANTED
USHR-1161	SE	EPD	99111017.2	10-Jun-99	959076	7-Mar-07	4-Nov-12	GRANTED
USHR-1162	SE	EPT	90912876.1	16-Aug-90	487602	16-Jul-97	16-Aug-10	GRANTED
USHR-1240	SE	EPA	93111209.8	13-Jul-93	581106	20-May-98	13-Jul-13	GRANTED
USHR-1242	SE	EPA	95106921	8-May-95	683185	2-Aug-00	8-May-15	GRANTED
USHR-1249	SE	EPA	94115960	10-Oct-94	648771	30-May-01	10-Oct-14	GRANTED
USHR-1249	SE	EPA	94115959.2	10-Oct-94	653427	28-Jan-02	10-Oct-14	GRANTED
USHR-1252	SE	EPA	94110875.5	13-Jul-94	635269	3-Nov-99	13-Jul-14	GRANTED
USHR-1267	SE	EPT	96923693.4-2107	8-Jul-96	840609	3-Jun-02	8-Jul-16	GRANTED
USHR-1268	SE	EPT	98945914.4	4-Sep-98	1032559	29-Nov-06	4-Sep-18	GRANTED
USHR-1273	SE	EPT	98902628.1	20-Jan-98	1015446	2-Apr-03	20-Jan-18	GRANTED
USM01554K	SE	EPT	99936000.1	29-Jul-99	1105132	17-Sep-03	29-Jul-19	GRANTED
USM01599	SE	EPA	92108361.4	18-May-92	514814	22-Jan-97	18-May-12	GRANTED
USM01730	SE	EPT	95918278.3	28-Apr-95	766668	17-Jul-02	28-Apr-15	GRANTED
USM01810	SE	EPD	09114227.4	27-Jul-99	957109	6-May-04	20-Nov-15	GRANTED
USM01810	SE	EPT	95942465.6	20-Nov-95	800527	8-Mar-00	20-Nov-15	GRANTED
USM01811	SE	EPT	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	SE	EPD	3003577.8	17-Feb-03	1310510	11-Jul-07	27-May-14	GRANTED
USM01820	SE	EPD	1114395.5	21-Jun-94	1156059	8-Aug-07	21-Jun-14	GRANTED
USM01829	SE	EPT	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	SE	EPT	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	SE	EPT	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01845	SE	EPT	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	SE	EPT	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	SE	EPT	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01856	SE	EPT	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2034	SG	PCT	200204266-1	8-Jan-01	90493	30-Jul-04	8-Jan-21	GRANTED
USHMR2038	SG	PCT	200200285-5	21-Jul-00	86243	30-Jun-04	21-Jul-20	GRANTED
USHMR2039	SG	PCT	200200286-3	21-Jul-00	P-86244	31-Aug-05	21-Jul-20	GRANTED
USHMR2039	SG	PCT	200200286-3	21-Jul-00	P-86244	31-Aug-05	21-Jul-20	GRANTED
USHMR2041	SG	PCT	200204230-7	8-Jan-01	90463	30-Dec-04	8-Jan-21	GRANTED
USHMR2008	SI	EEP	98919928.6	27-Apr-98	983275	28-Aug-02	27-Apr-18	GRANTED
USHMR2010	SI	EEP	98937010.1	21-Jul-98	998272	2-May-03	21-Jul-18	GRANTED
USHMR2013	SI	EEP	98935892.4	21-Jul-98	1003528	25-Sep-02	21-Jul-18	GRANTED
USHMR2017	SI	EEP	99936074.6	18-Feb-99	1056745	16-Jun-04	18-Feb-19	GRANTED
USHMR2034	SI	EEP	1900939.8	8-Jan-01	P200130201	11-Aug-04	8-Jan-21	GRANTED
USHMR2037	SI	EEP	947304.2	13-Jul-00	1202967	20-Dec-06	13-Jul-20	GRANTED
USHMR2041	SI	EEP	1902993.3	8-Jan-01	1252155	8-Dec-04	8-Jan-21	GRANTED
USHR-1267	SI	EEP	96923693.4-2107	8-Jul-96	840609	5-Jun-02	8-Jul-16	GRANTED
USM01810	SI	EEP	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-13	GRANTED
USM01810	SI	EEP	99114227.4	27-Jul-99	957109	6-May-04	20-Nov-13	GRANTED
USM01811	SI	EEP	96905292.7	26-Jan-96	812195	30-Oct-02	26-Jan-16	GRANTED
USM01819	SI	EEP	94919294.2	27-May-94	705279	19-Feb-03	27-May-14	GRANTED
USM01820	SI	EEP	94920294.9	21-Jun-94	751779	19-Dec-01	21-Jun-14	GRANTED
USM01820	SI	EEP	1114395.5	21-Jun-94	EP1156059A1	8-Aug-07	21-Jun-14	GRANTED
USM01829	SI	EEP	96913862.7	30-Apr-96	831820	17-Dec-03	30-Apr-16	GRANTED
USM01835	SI	EEP	96936680.6	17-Oct-96	862581	4-Jun-03	17-Oct-16	GRANTED
USM01843	SI	EEP	97907698.1	21-Feb-97	888114	26-Jun-02	21-Feb-17	GRANTED
USM01843	SI	EEP	97907998.5	3-Mar-97	900225	30-Jan-02	3-Mar-17	GRANTED
USM01846	SI	EEP	97935308.3	4-Aug-97	928291	4-Dec-02	4-Aug-17	GRANTED
USM01853	SI	EEP	97921288.3	24-Apr-97	906268	28-Nov-01	24-Apr-17	GRANTED
USM01856	SI	EEP	97910819.8	7-Oct-97	942896	16-Apr-03	7-Oct-17	GRANTED
USHMR2010	SK	PCT	PV1777-99	21-Jul-98	283803	28-Nov-03	21-Jul-18	GRANTED
USHMR2013	SK	PCT	PV0184-2000	21-Jul-98	283868	21-Jan-04	21-Jul-18	GRANTED
USHMR2025	SK	PCT	PP828-2001	22-Nov-99	285812	26-Jun-07	22-Nov-19	GRANTED
USHMR2034	SK	PCT	PP1036-2002	8-Jan-01			8-Jan-21	FILED
USHMR2038	SK	PCT	PV107-2002	21-Jul-00			21-Jul-20	FILED
USHMR2039	SK	PCT	PV108-2002	21-Jul-00			21-Jul-20	FILED
USHMR2039	SK	PCT	PV108-2002	21-Jul-00			21-Jul-20	FILED
USHMR2041	SK	PCT	PP1037-2002	8-Jan-01			8-Jan-21	FILED
USHR-1161	SK	PCT	PV2425-90	17-May-90	279474	27-Aug-98	17-May-10	GRANTED
USHR-1161	SK	NP	PV0456-94	4-Nov-92	283517	11-Jun-03	4-Nov-12	GRANTED
USM01835	SK	NP	PV1447-96	7-Nov-96	284315	15-Nov-04	7-Nov-16	GRANTED
USHMR2010	TR	PCT	2000/517	21-Jul-98	TR200000517B	22-Jan-01	21-Jul-18	GRANTED
USHMR2013	TR	PCT	2000/419	21-Jul-98	TR200000419B	21-Sep-01	21-Jul-18	GRANTED
USHMR2017	TR	PCT	2000/2482	18-Feb-99	TR200002482B	21-Jun-04	18-Feb-19	GRANTED
USHMR2019	TR	PCT	2000/2463	18-Feb-99	TR200002463B	23-Sep-02	18-Feb-19	GRANTED
USHMR2034	TR	EPT	1900939.8	8-Jan-01	TR200402036T4	11-Aug-04	8-Jan-21	GRANTED
USHMR2041	TR	EPT	1902993.3	8-Jan-01	200500631	8-Dec-04	8-Jan-21	GRANTED
USHMR2042	TR	EPT	1939312.3	23-May-01	1289527	26-Mar-08	23-May-21	GRANTED
USHMR2006	TW	NP	87107718	19-May-98	147597	22-Apr-02	18-May-18	GRANTED
USHMR2008	TW	NP	87107719	19-May-98	133362	2-Oct-01	18-May-18	GRANTED
USHMR2009	TW	NP	87107730	19-May-98	144841	12-Mar-02	18-May-18	GRANTED
USHMR2010	TW	NP	87113848	21-Aug-98	194370	10-May-04	20-Aug-18	GRANTED
USHMR2013	TW	NP	87113210	5-Nov-98	240633	1-Oct-05	4-Nov-18	GRANTED
USHMR2017	TW	NP	88102781	24-Feb-99	181911	14-Nov-03	23-Feb-19	GRANTED
USHMR2018	TW	NP	88103619	9-Mar-99	1249526	21-Feb-06	8-Mar-19	GRANTED
USHMR2019	TW	NP	88102764	24-Feb-99	1225060	11-Dec-04	23-Feb-19	GRANTED

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Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2022	TW	NP	88111017	29-Jun-99	178456	19-Sep-03	28-Jun-19	GRANTED
USHMR2025	TW	NP	88121702	10-Dec-99	1221418	1-Oct-04	9-Dec-19	GRANTED
USHMR2034	TW	NP	90100957	16-Jan-01	1284129	21-Jul-07	17-Jan-20	GRANTED
USHMR2037	TW	NP	89114195	15-Jul-00	1265924	11-Nov-06	15-Jul-19	GRANTED
USHMR2041	TW	NP	90101052	17-Jan-01	293072	1-Feb-08	17-Jan-20	GRANTED
USHMR2042	TW	NP	90112318	23-May-01	1299001	21-Jul-08	22-May-21	GRANTED
USHMR2053	TW	NP	90120788	24-Aug-01			23-Aug-21	FILED
USHR-1161	TW	NP	81108831	5-Nov-92	104507	6-Nov-99	4-Nov-12	GRANTED
USHR-1161	TW	NP	83110396	10-Nov-94	144817	12-Mar-02	9-Nov-14	GRANTED
USHR-1249	TW	NP	83109528	14-Oct-94	110086	1-Dec-99	13-Oct-14	GRANTED
USHR-1249	TW	NP	83109526	14-Oct-94	106829	11-Jul-99	13-Oct-14	GRANTED
USHR-1249	TW	NP	83109527	14-Oct-94	82267	19-Mar-97	13-Oct-14	GRANTED
USHR-1252	TW	NP	83106064	4-Jul-94	100584	11-Jul-99	3-Jul-14	GRANTED
USHR-1267	TW	NP	83109038	24-Jul-96	146159	2-Apr-02	23-Jul-16	GRANTED
USHR-1273	TW	NP	87101327	3-Feb-98	171419	5-Jun-03	2-Feb-18	GRANTED
USM01554I	TW	NP	87120360	8-Dec-98	144269	6-Mar-02	7-Dec-18	GRANTED
USM01554K	TW	NP	88114405	23-Aug-99	233802	11-Jun-05	22-Aug-19	GRANTED
USM01810	TW	NP	84113469	16-Dec-93	NI-119362	3-Jan-01	15-Dec-13	GRANTED
USM01825	TW	NP	85105337	3-May-96	NI-124127	24-Apr-01	2-May-16	GRANTED
USM01829	TW	NP	85106373	1-Jun-96	143514	26-Feb-02	31-May-16	GRANTED
USM01835	TW	NP	83113499	5-Nov-96	140811	10-Jan-02	4-Nov-16	GRANTED
USM01843	TW	NP	86103292	17-Mar-97	171122	28-May-03	16-Mar-17	GRANTED
USM01846	TW	NP	86113339	13-Sep-97	138712	7-Dec-01	12-Sep-17	GRANTED
USM01856	TW	NP	86117094	15-Nov-97	166179	18-Mar-03	14-Nov-17	GRANTED
USHMR2010	UA	PCT	99126876	21-Jul-98	60335	15-Oct-03	21-Jul-18	GRANTED
USHMR2013	UA	PCT	2000031425	21-Jul-98	64763	15-Mar-04	21-Jul-18	GRANTED
USHMR2017	UA	PCT	2000095500	18-Feb-99	62996	15-Jan-04	18-Feb-19	GRANTED
USHMR2025	UA	PCT	2001064165	22-Nov-99	73101	15-Jun-05	22-Nov-19	GRANTED
USHR-1161	UA	NP	94005421	4-Nov-92	41289	17-Sep-01	4-Nov-12	GRANTED
USHMR2003	US	CPA	09/027,258	20-Feb-98	6,670,182	30-Dec-03	20-Feb-18	GRANTED
USHMR2006	US	NP	79331	14-May-98	5959111	28-Sep-99	14-May-18	GRANTED
USHMR2007	US	NP	103215	23-Jun-98	6133467	17-Oct-00	23-Jun-18	GRANTED
USHMR2008	US	NP	76433	12-May-98	6004999	21-Dec-99	23-May-17	GRANTED
USHMR2009	US	NP	76591	12-May-98	5972998	26-Oct-99	12-May-18	GRANTED
USHMR2010	US	NP	127478	31-Jul-98	6039974	21-Mar-00	26-Aug-17	GRANTED
USHMR2013	US	CNT	09/353,462	13-Jul-99	6,451,815	17-Sep-02	14-Aug-17	GRANTED
USHMR2017	US	CPA	09/247,032	31-May-01	6,413,974	2-Jul-02	9-Feb-19	GRANTED
USHMR2018	US	CNT	11/782,902	25-Jul-07			11-Mar-19	FILED
USHMR2018	US	CIP	11/114,381	26-Apr-05			11-Mar-19	FILED
USHMR2018	US	DIV	10/043,498	11-Jan-02	6,713,627	30-Mar-04	15-Mar-18	GRANTED
USHMR2018	US	CNT	10/840,586	6-May-04	7,332,607	19-Feb-08	13-Jul-20	GRANTED
USHMR2019	US	CNT	10/178,494	24-Jun-02	6,642,231	4-Nov-03	9-Feb-19	GRANTED
USHMR2019	US	CPA	09/247,033	9-Feb-99	6,479,487	12-Nov-02	9-Feb-19	GRANTED
USHMR2020	US	NP	09/648005	6-May-99	6,310,445	13-Nov-01	15-May-18	GRANTED
USHMR2021	US	PCT	10/088,369	23-Dec-02	7,091,199	15-Aug-06	16-Sep-21	GRANTED
USHMR2022	US	DIV	10/104,311	22-Mar-02	6,700,012	2-Mar-04	28-Nov-20	GRANTED
USHMR2022	US	DIV	10/104,783	22-Mar-02	6,689,898	10-Feb-04	28-Nov-20	GRANTED
USHMR2022	US	CIP	10/170,050	12-Jun-02	6,683,094	27-Jan-04	28-Nov-20	GRANTED
USHMR2022	US	DIV	10/104,149	22-Mar-02	6,730,791	4-May-04	28-Nov-20	GRANTED
USHMR2022	US	DIV	10/104,097	22-Mar-02	6,930,197	16-Aug-05	2-Jul-18	GRANTED
USHMR2022	US	DIV	10/104,277	22-Mar-02	6,673,933	6-Jan-04	2-Jul-18	GRANTED
USHMR2023	US	DIV	11/459,068	21-Jul-06			13-Sep-20	FILED
USHMR2023	US	PCT	10/088,250	23-Dec-02	7,125,903	24-Oct-06	13-Sep-20	GRANTED

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Patent Family #	Country	Type	Appl No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USHMR2024	US	CNT	10/844,245	12-May-04	7,253,165	7-Aug-07	28-Nov-20	GRANTED
USHMR2025	US	NP	09/454,555	7-Dec-99	6,455,526	24-Sep-02	16-Dec-18	GRANTED
USHMR2026	US	NP	464908	17-Dec-99	6,352,976	5-Mar-02	31-Dec-18	GRANTED
USHMR2028	US	NP	09/467,304	17-Dec-99	6,262,080	17-Jul-01	31-Dec-18	GRANTED
USHMR2030	US	NP	09/464,907	17-Dec-99	6,329,550	11-Dec-01	31-Dec-18	GRANTED
USHMR2031	US	CIP	09/815,868	23-Mar-01	6,486,193	26-Nov-02	31-Dec-18	GRANTED
USHMR2034	US	NP	09/760,589	16-Jan-01	6,576,647	10-Jun-03	18-Jan-20	GRANTED
USHMR2036	US	CIP	09/589,462	7-Jun-00	6,555,328	29-Apr-03	10-Dec-19	GRANTED
USHMR2037	US	NP	09/615,246	13-Jul-00	6,465,490	15-Oct-02	13-Jul-20	GRANTED
USHMR2037	US	DIV	10/200,821	22-Jul-02	6,716,986	6-Apr-04	13-Jul-20	GRANTED
USHMR2038	US	CNT	11/167,818	27-Jun-03	7,432,360	7-Oct-08	21-Jul-20	GRANTED
USHMR2039	US	PCT	10/031,922	21-Jul-00	7,109,161	19-Sep-06	21-Jul-20	GRANTED
USHMR2040	US	DIV	10/671,341	25-Sep-03			20-May-18	FILED
USHMR2040	US	CIP	09/449,222	24-Nov-99	6,541,211	1-Apr-03	20-May-18	GRANTED
USHMR2040	US	DIV	10/316,353	11-Dec-02	7,122,323	17-Oct-06	20-May-18	GRANTED
USHMR2040	US	CPA	09/082,038	12-Nov-02	6,872,535	29-Mar-05	25-Jun-19	GRANTED
USHMR2041	US	NP	09/760,590	16-Jan-01	6,821,990	23-Nov-04	9-May-21	GRANTED
USHMR2042	US	CNT	10/838,035	3-May-04	7,132,433	7-Nov-06	1-Jun-10	GRANTED
USHMR2047	US	CNT	09/950,931	12-Sep-01	6,842,703	11-Jan-05	19-May-19	GRANTED
USHMR2047	US	CNT	09/950,931	12-Sep-01	6,842,703	11-Jan-05	19-May-19	GRANTED
USHMR2047	US	NP	09/314,534	19-May-99	6,287,773	11-Sep-01	19-May-19	GRANTED
USHMR2047	US	CNT	11/033,693	11-Jan-03			19-May-19	FILED
USHMR2048	US	NP	09/577,634	24-May-00	6,502,039	31-Dec-02	24-May-20	GRANTED
USHMR2052	US	NP	09/886,818	21-Jun-01	6,413,951	2-Jul-02		GRANTED
USHMR2053	US	CNT	11/251,734	17-Oct-05			21-Aug-21	FILED
USHR-1076	US	DIV	748474	23-May-91	5194618	16-Mar-93	16-Mar-10	GRANTED
USHR-1078	US	NP	791019	24-Oct-85	4728651	1-Mar-88	24-Oct-05	GRANTED
USHR-1159	US	DIV	584554	18-Sep-90	5179204	12-Jan-93	12-Jan-10	GRANTED
USHR-1161	US	REI	09/712,129	15-Nov-00	RE39,198	15-Nov-94	15-Nov-11	FILED
USHR-1161	US	CIP	329000	25-Oct-94	5776963	7-Jul-98	7-Jul-15	GRANTED
USHR-1161	US	REI	09/708,475	9-Nov-00	RE39,265	19-Aug-97	19-Aug-14	GRANTED
USHR-1161-4Y-0	US	DIV	09/556,116	19-Apr-00	6,420,390	16-Jul-02	19-May-09	GRANTED
USHR-1161-4Y-0	US	DIV	468611	6-Jun-95	6140345	31-Oct-00	31-Oct-17	GRANTED
USHR-1161-4Y-0	US	DIV	471754	6-Jun-95	5811430	22-Sep-98	22-Sep-15	GRANTED
USHR-1161-4Y-0	US	DIV	465863	6-Jun-95	5977140	2-Nov-99	2-Nov-16	GRANTED
USHR-1161-4Y-10	US	DIV	471032	6-Jun-95	6110938	29-Aug-00	29-Aug-17	GRANTED
USHR-1161-4Y-1	US	DIV	468991	6-Jun-95	5811435	22-Sep-98	22-Sep-15	GRANTED
USHR-1161-4Y-14	US	DIV	468075	6-Jun-95	5919798	6-Jul-99	6-Jul-16	GRANTED
USHR-1161-4Y-14	US	DIV	469000	6-Jun-95	5614543	25-Mar-97	25-Mar-14	GRANTED
USHR-1161-4Y-2	US	DIV	469365	6-Jun-95	5591745	7-Jan-97	7-Jan-14	GRANTED
USHR-1161-4Y-24	US	DIV	466821	6-Jun-95	5607945	4-Mar-97	4-Mar-14	GRANTED
USHR-1161-4Y-3	US	DIV	08/467,401	6-Jun-95	6043240	28-Mar-00	28-Mar-17	GRANTED
USHR-1161-4Y-30	US	DIV	470059	6-Jun-95	5663449	2-Sep-97	2-Sep-14	GRANTED
USHR-1161-4Y-35	US	DIV	466241	6-Jun-95	5977113	2-Nov-99	2-Nov-16	GRANTED
USHR-1162	US	DIV	594496	9-Oct-90	5039809	13-Aug-91	16-Aug-09	GRANTED
USHR-1162	US	DIV	710472	3-Jun-91	5112981	12-May-92	16-Aug-09	GRANTED
USHR-1169	US	CNT	207464	8-Mar-94	5840749	24-Nov-98	24-Nov-15	GRANTED
USHR-1171	US	NP	388437	2-Aug-89	5006537	9-Apr-91	2-Aug-09	GRANTED
USHR-1171	US	DIV	429445	27-Apr-95	5,621,116	15-Apr-97	15-Apr-14	GRANTED
USHR-1171	US	CNT	243634	13-May-94	5,464,846	7-Nov-95	7-Nov-12	GRANTED
USHR-1171	US	DIV	736366	26-Jul-91	5,179,119	12-Jan-93	12-Jan-10	GRANTED
USHR-1171	US	DIV	431526	28-Apr-95	5,686,626	11-Nov-97	11-Nov-14	GRANTED
USHR-1172	US	DIV	972273	5-Nov-92	5296488	22-Mar-94	22-Mar-11	GRANTED

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USHR-1186	US	DIV	08/639,302	24-Apr-96	5977147	2-Nov-99	13-Mar-10	GRANTED
USHR-1186	US	DIV	09/237,689	26-Jan-99	6,500,849	31-Dec-02	13-Mar-10	GRANTED
USHR-1186	US	DIV	09/237,689	26-Jan-99	6,500,849	31-Dec-02	13-Mar-10	GRANTED
USHR-1186	US	DIV	09/237,689	26-Jan-99	6,500,849	31-Dec-02	13-Mar-10	GRANTED
USHR-1186	US	DIV	247364	23-May-94	5519062	21-May-96	21-May-13	GRANTED
USHR-1199	US	DIV	248920	25-May-94	5455245	3-Oct-95	3-Oct-12	GRANTED
USHR-1199	US	DIV	455467	31-May-95	5,688,816	18-Nov-97	18-Nov-14	GRANTED
USHR-1206	US	DIV	177035	4-Jan-94	5472975	5-Dec-95	5-Dec-12	GRANTED
USHR-1206	US	DIV	472586	7-Jun-95	5514700	7-May-96	7-May-13	GRANTED
USHR-1206	US	DIV	976067	13-Nov-92	5298626	29-Mar-94	29-Mar-11	GRANTED
USHR-1212	US	DIV	138645	20-Oct-93	5519131	21-May-96	21-May-13	GRANTED
USHR-1212	US	DIV	976778	16-Nov-92	5276156	4-Jan-94	15-Apr-11	GRANTED
USHR-1224	US	CNT	08/435,079	8-May-95	6,413,986	2-Jul-02	2-Jul-19	GRANTED
USHR-1228	US	DIV	334910	7-Nov-94	5576446	19-Nov-96	19-Nov-13	GRANTED
USHR-1228	US	DIV	335238	7-Nov-94	5605925	25-Feb-97	25-Feb-14	GRANTED
USHR-1228	US	DIV	335236	7-Nov-94	5580987	3-Dec-96	3-Dec-13	GRANTED
USHR-1240	US	DIV	132731	6-Oct-93	5519032	21-May-96	21-May-13	GRANTED
USHR-1240	US	NP	780525	8-Jan-97	5856335	5-Jan-99	20-Jul-12	GRANTED
USHR-1240	US	NP	917247	20-Jul-92	5,252,581	12-Oct-93	20-Jul-12	GRANTED
USHR-1242	US	CNT	08/455468	31-May-95	5644062	1-Jul-97	1-Jul-14	GRANTED
USHR-1242	US	NP	08/242,395	13-May-94	5459274	17-Oct-95	13-May-14	GRANTED
USHR-1242	US	DIV	08/455469	31-May-95	6,512,125	28-Jan-03	28-Jan-20	GRANTED
USHR-1244	US	CNT	878876	19-Jun-97	5756754	26-May-98	23-Nov-12	GRANTED
USHR-1244	US	DIV	470520	6-Jun-95	5580982	3-Dec-96	3-Dec-13	GRANTED
USHR-1244	US	DIV	471197	6-Jun-95	6046203	4-Apr-00	4-Apr-17	GRANTED
USHR-1244	US	CNT	816817	18-Mar-97	5925766	20-Jul-99	23-Nov-12	GRANTED
USHR-1249	US	NP	137440	15-Oct-93	6,323,195	27-Nov-01	27-Nov-18	GRANTED
USHR-1249	US	NP	08/137,443	15-Oct-93	6,323,196	27-Nov-01	27-Nov-18	GRANTED
USHR-1249	US	NP	08/137,444	15-Oct-93	6,316,439	13-Nov-01	13-Nov-18	GRANTED
USHR-1253	US	NP	288844	11-Aug-94	5567718	22-Oct-96	11-Aug-14	GRANTED
USHR-1253	US	CNT	935274	22-Sep-97	5869685	9-Feb-99	11-Aug-14	GRANTED
USHR-1253	US	CNT	935280	22-Sep-97	5,874,583	23-Feb-99	11-Aug-14	GRANTED
USHR-1253	US	CNT	935273	22-Sep-97	5869502	9-Feb-99	11-Aug-14	GRANTED
USHR-1253	US	CNT	935279	22-Sep-97	5874458	23-Feb-99	11-Aug-14	GRANTED
USHR-1256	US	DIV	455465	31-May-95	5563272	8-Oct-96	9-Sep-14	GRANTED
USHR-1256	US	NP	304041	9-Sep-94	5500423	19-Mar-96	9-Sep-14	GRANTED
USHR-1259	US	CNT	870988	6-Jun-97	5801176	1-Sep-98	17-Mar-15	GRANTED
USHR-1260	US	DIV	806981	26-Feb-97	5,728,717	17-Mar-98	6-Jun-15	GRANTED
USHR-1260	US	CIP	637091	2-May-96	5,668,154	16-Sep-97	6-Jun-15	GRANTED
USHR-1260	US	DIV	961298	30-Oct-97	5948798	7-Sep-99	6-Jun-15	GRANTED
USHR-1262	US	NP	08/993,928	18-Dec-97	5,972,963	26-Oct-99	18-Dec-17	GRANTED
USHR-1264	US	DIV	333372	15-Jun-99	6156901	5-Dec-00	18-Feb-17	GRANTED
USHR-1264	US	DIV	09/768,666	24-Jan-01	6,479,501	12-Nov-02	10-Apr-16	GRANTED
USHR-1266	US	DIV	288388	8-Apr-99	6008348	28-Dec-99	6-Jun-15	GRANTED
USHR-1266	US	DIV	288388	8-Apr-99	6008348	28-Dec-99	6-Jun-15	GRANTED
USHR-1267	US	NP	676608	8-Jul-96	5776953	7-Jul-98	8-Jul-16	GRANTED
USHR-1268	US	CNT	09/459,046	10-Dec-99	6,479,495	12-Nov-02	29-Sep-17	GRANTED
USHR-1269	US	NP	959789	29-Oct-97	6004977	21-Dec-99	29-Oct-17	GRANTED
USHR-1270	US	NP	806012	24-Feb-97	6,100,276	8-Aug-00	24-Feb-17	GRANTED
USHR-1273	US	NP	10720	22-Jan-98	6004982	21-Dec-99	22-Jan-18	GRANTED
USM01312	US	NP	299913	19-Jan-89	4,908,369	13-Mar-90	19-Jan-09	GRANTED
USM01313	US	CNT	527676	16-May-90	5011846	30-Apr-91	21-Feb-09	GRANTED
USM01375	US	CIP	333017	1-Nov-94	5607925	4-Mar-97	4-Mar-14	GRANTED

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USM01547	US	CIP	824411	23-Jan-92	5,244,896	14-Sep-93	14-Sep-10	GRANTED
USM01554	US	CNT	09/886,424	21-Jun-01	6,613,779	2-Sep-03	25-Aug-19	GRANTED
USM01554	US	NP	09/382,932	25-Aug-99	6,277,864	21-Aug-01	25-Aug-19	GRANTED
USM01554	US	CNT	10/609,751	30-Jun-03	6,939,879	6-Sep-05	25-Aug-19	GRANTED
USM01554I	US	DIV	09/337,957	22-Jun-99	6,063,793	16-May-00	25-Jul-17	GRANTED
USM01554I	US	NP	08/900,462	25-Jul-97	6,028,083	22-Feb-00	25-Jul-17	GRANTED
USM01591	US	CNT	905494	25-Jun-92	5,208,230	4-May-93	21-Dec-10	GRANTED
USM01626	US	CNT	106311	13-Aug-93	5,359,131	25-Oct-94	20-Feb-12	GRANTED
USM01631	US	CIP	485263	7-Jun-95	5,723,466	3-Mar-98	3-Mar-15	GRANTED
USM01631	US	CIP	477342	7-Jun-95	5,817,660	6-Oct-98	6-Oct-15	GRANTED
USM01631	US	CIP	477344	7-Jun-95	5,817,672	6-Oct-98	6-Oct-15	GRANTED
USM01655	US	CNT	08/397,542	2-Mar-95	6,037,353	14-Mar-00	14-Mar-17	GRANTED
USM01680	US	NP	922130	29-Jul-92	5,266,334	30-Nov-93	29-Jul-12	GRANTED
USM01724	US	CIP	08/582,835	2-Jan-96	5,677,291	14-Oct-97	10-Dec-13	GRANTED
USM01730	US	CNT	11/534,839	25-Sep-06			18-May-14	FILED
USM01730	US	CNT	11/553,751	27-Oct-06			18-May-14	FILED
USM01730	US	CNT	11/534,828	25-Sep-06			18-May-14	FILED
USM01730	US	CNT	11/978,670	30-Oct-07			18-May-14	FILED
USM01730	US	CNT	11/978,669	30-Oct-07			18-May-14	FILED
USM01730	US	CNT	10/162,011	3-Jun-02	7,138,524	21-Nov-06	18-May-14	GRANTED
USM01730	US	CNT	10/160,883	3-Jun-02	7,135,571	14-Nov-06	18-May-14	GRANTED
USM01736	US	CIP	669521	4-Nov-96	5,730,521	12-May-98	13-Dec-14	GRANTED
USM01738	US	CNT	640121	30-Apr-96	5,672,602	30-Sep-97	13-Apr-15	GRANTED
USM01786	US	CNT	878695	19-Jun-97	5,840,726	24-Nov-98	15-Mar-15	GRANTED
USM01786	US	DIV	67386	27-Apr-98	5,864,045	26-Jan-99	13-Mar-15	GRANTED
USM01788	US	NP	08/941,747	30-Sep-97	5,922,752	13-Jul-99	30-Sep-17	GRANTED
USM01789	US	NP	08/971,891	17-Nov-97	5,977,139	2-Nov-99	17-Nov-17	GRANTED
USM01793	US	CNT	09/741,536	20-Dec-00	6,693,072	17-Feb-04	24-Nov-14	GRANTED
USM01803	US	CNT	764964	13-Dec-96	5,856,350	5-Jan-99	20-Apr-15	GRANTED
USM01804	US	CNT	990673	15-Dec-97	5,981,553	9-Nov-99	31-Oct-14	GRANTED
USM01804	US	DIV	09/363,305	28-Jul-99	6,180,786	30-Jan-01	31-Oct-14	GRANTED
USM01804	US	NP	332016	31-Oct-94	5,563,157	8-Oct-96	31-Oct-14	GRANTED
USM01808	US	CIP	552139	11-Dec-95	5,691,368	25-Nov-97	11-Jan-15	GRANTED
USM01810	US	CNT	966838	10-Nov-97	5,872,251	16-Feb-99	21-Dec-14	GRANTED
USM01810	US	DIV	743481	4-Nov-96	5,734,049	31-Mar-98	21-Dec-14	GRANTED
USM01810	US	CIP	535403	24-Oct-95	5,641,880	24-Jun-97	21-Dec-14	GRANTED
USM01810	US	CNT	966837	10-Nov-97	5,859,252	12-Jan-99	21-Dec-14	GRANTED
USM01810	US	CNT	967075	10-Nov-97	5,849,908	15-Dec-98	21-Dec-14	GRANTED
USM01811	US	DIV	742166	1-Nov-96	5,738,872	14-Apr-98	28-Feb-15	GRANTED
USM01811	US	CNT	943460	3-Oct-97	5,855,912	5-Jan-99	28-Feb-15	GRANTED
USM01811	US	DIV	09/157841	21-Sep-98	6,113,942	5-Sep-00	28-Feb-15	GRANTED
USM01811	US	DIV	09/157841	21-Sep-98	6,113,942	5-Sep-00	28-Feb-15	GRANTED
USM01811	US	NP	948065	9-Oct-97	5,932,247	3-Aug-99	28-Feb-15	GRANTED
USM01811	US	CNT	11/740,655	26-Apr-07			28-Feb-15	FILED
USM01813	US	CNT	273090	11-Jul-94	5,651,943	29-Jul-97	29-Jul-14	GRANTED
USM01818	US	CIP	68947	28-May-93	5,470,753	28-Nov-95	28-Nov-12	GRANTED
USM01819	US	CIP	249830	26-May-94	5,840,485	24-Nov-98	24-Nov-15	GRANTED
USM01819	US	CNT	198209	23-Nov-98	6,090,912	18-Jul-00	27-May-13	GRANTED
USM01820	US	CIP	263289	21-Jun-94	5,635,598	3-Jun-97	3-Jun-14	GRANTED
USM01821	US	CNT	754878	22-Nov-96	5,846,841	8-Dec-98	20-May-14	GRANTED
USM01825	US	CNT	09/553,903	20-Apr-00			8-May-15	FILED
USM01827	US	CIP	09/513,846	15-Dec-97	6,211,199	3-Apr-01	17-Nov-15	GRANTED
USM01829	US	NP	469392	6-Jun-95	5,574,045	12-Nov-96	6-Jun-15	GRANTED

**PATENT PROPERTIES TRANSFERRED FROM AVENTIS PHARMACEUTICALS INC. TO IIMR
PHARMA INC. TO AVENTIS HOLDINGS INC.**

Patent Family #	Country	Type	Appl. No.	Filing Date	Patent No.	Grant Date	Expiry	Status
USM01832	US	CPA	08/798,258	4-Dec-00	6,365,597	2-Apr-02	11-Feb-17	GRANTED
USM01833	US	NP	767760	17-Dec-96	5766932	16-Jun-98	17-Dec-16	GRANTED
USM01834	US	CIP	698931	26-Aug-96	6069232	30-May-00	4-Dec-15	GRANTED
USM01837	US	CIP	09/513847	29-Oct-97	6,194,406	27-Feb-01	24-Oct-16	GRANTED
USM01842	US	NP	08/824,221	25-Mar-97	5,795,876	18-Aug-98	30-Apr-16	GRANTED
USM01843	US	CNT	09/699,647	30-Oct-00	6,380,216	30-Apr-02	17-Mar-17	GRANTED
USM01845	US	NP	637968	30-Apr-96	5608095	4-Mar-97	30-Apr-16	GRANTED
USM01846	US	NP	08/893,080	15-Jul-97	6,953,788	11-Oct-05	19-Sep-16	GRANTED
USM01853	US	NP	844209	18-Apr-97	6004959	21-Dec-99	18-Apr-17	GRANTED
USM01855	US	NP	893303	15-Jul-97	5808071	15-Sep-98	15-Jul-17	GRANTED
USM01856	US	NP	974112	19-Nov-97	6114572	5-Sep-00	19-Nov-17	GRANTED
USM01858	US	NP	990672	15-Dec-97	5861417	19-Jan-99	15-Dec-17	GRANTED
USM01860	US	NP	978567	26-Nov-97	6034241	7-Mar-00	26-Nov-17	GRANTED
USHR-1161	UZ	PCT	IIAP9500706	4-Nov-92	IAP02171	12-Apr-02	4-Nov-12	GRANTED
USM01835	VE	NP	1996-001885	7-Nov-96			7-Nov-16	FILED
USHMR2016	VN	PCT	S19991064	21-Jul-98	3407	17-Mar-03	21-Jul-18	GRANTED
USHMR2013	VN	PCT	S20000124	21-Jul-98	3365	27-Feb-03	21-Jul-18	GRANTED
USHMR2017	VN	PCT	S200000734	18-Feb-99	5394	4-Jan-06	18-Feb-19	GRANTED
USHMR2019	VN	PCT	S20000735	18-Feb-99			18-Feb-19	FILED
USHMR2025	VN	PCT	I-2001-00564	22-Nov-99	5628	9-May-06	22-Nov-19	GRANTED
USHMR2034	VN	PCT	I-2002-00736	8-Jan-01	6534	20-Aug-07	8-Jan-21	GRANTED
USHMR2041	VN	PCT	I-2002-00746	8-Jan-01	6018	5-Dec-06	8-Jan-21	GRANTED
USHMR2006	ZA	NP	98/4180	18-May-98	98/4180	27-Jan-99	18-May-18	GRANTED
USHMR2007	ZA	NP	98/5324	18-Jun-98	98/5324	31-Mar-99	18-Jun-18	GRANTED
USHMR2008	ZA	NP	98/4174	18-May-98	98/4174	27-Jan-99	18-May-18	GRANTED
USHMR2009	ZA	NP	98/4177	18-May-98	98/4177	27-Jan-99	18-May-18	GRANTED
USHMR2010	ZA	NP	98/7552	20-Aug-98	98/7552	26-May-99	20-Aug-18	GRANTED
USHMR2013	ZA	NP	98/7221	12-Aug-98	98/7221	28-Apr-99	12-Aug-18	GRANTED
USHMR2022	ZA	PCT	20007034	17-Jun-99	2000/7034	26-Jun-02	17-Jun-19	GRANTED
USHMR2025	ZA	PCT	2001/4899	22-Nov-99	2001/4899	27-Nov-02	22-Nov-19	GRANTED
USHMR2034	ZA	PCT	2002/5639	8-Jan-01	2002/5639	25-Feb-04	8-Jan-21	GRANTED
USHMR2036	ZA	PCT	2001/8962	7-Jun-00	2001/8962	30-Apr-03	7-Jun-20	GRANTED
USHMR2037	ZA	PCT	2002/0101	13-Jul-00	2002/0101	25-Jun-03	13-Jul-20	GRANTED
USHMR2038	ZA	PCT	2002/0742	21-Jul-00	2002/0742	25-Jun-03	21-Jul-20	GRANTED
USHMR2039	ZA	PCT	2002/0743	21-Jul-00	2002/0743	25-Jun-03	21-Jul-20	GRANTED
USHMR2039	ZA	PCT	2002/0743	21-Jul-00	2002/0743	25-Jun-03	21-Jul-20	GRANTED
USHMR2041	ZA	PCT	2002/5640	8-Jan-01	2002/5640	25-Feb-04	8-Jan-21	GRANTED
USHMR2046	ZA	PCT	2001/9609	19-May-00	2001/9609	30-Apr-03	19-May-20	GRANTED
USHMR2048	ZA	PCT	2001/10490	25-May-00	2001/10490	27-Aug-03	25-May-20	GRANTED
USHMR2053	ZA	PCT	2003/1476	23-Aug-01	2003/1476	23-Aug-04	23-Aug-21	GRANTED
USHR-1267	ZA	NP	96/6254	23-Jul-96	96/6254	30-Apr-97	23-Jul-16	GRANTED
USM01730	ZA	NP	95/3930	15-May-95	95/3930	27-Mar-96	15-May-15	GRANTED
USM01811	ZA	NP	96/1380	21-Feb-96	96/1380	27-Nov-96	21-Feb-16	GRANTED
USM01825	ZA	NP	96/3483	2-May-96	96/3483	29-Jan-97	2-May-16	GRANTED
USM01829	ZA	NP	96/4517	31-May-96	96/4517	26-Feb-97	31-May-16	GRANTED
USM01835	ZA	NP	96/9254	4-Nov-96	96/9254	27-Aug-97	4-Nov-16	GRANTED
USM01843	ZA	NP	97/2345	18-Mar-97	97/2345	26-Nov-97	18-Mar-17	GRANTED
USM01853	ZA	NP	97/4621	27-May-97	97/4621	25-Feb-98	27-May-17	GRANTED
USM01856	ZA	NP	97/10315	14-Nov-97	97/10315	29-Jul-98	14-Nov-17	GRANTED