

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ALCATEL-LUCENT N.V.	06/20/2013
RECEIVING PARTY DATA		
Name:	ALCATEL LUCENT	
Street Address:	3 AVENUE OCTAVEGREARD	
City:	PARIS	
State/Country:	FRANCE	
Postal Code:	75007	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	08498749
CORRESPONDENCE DATA		
Fax Number:		
<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:	908-582-4186	
Email:	narpatent@nokia.com	
Correspondent Name:	DOCKET ADMINISTRATOR	
Address Line 1:	600-700 MOUNTAIN AVENUE	
Address Line 2:	ROOM 3B-212F	
Address Line 4:	MURRAY HILL, NEW JERSEY 07974-0636	
ATTORNEY DOCKET NUMBER:	020540-US-NP (MTP)	
NAME OF SUBMITTER:	NIRAJ A. DESAI	
SIGNATURE:	/Niraj A. Desai/	
DATE SIGNED:	04/11/2017	
Total Attachments: 9		
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ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Alcatel-Lucent N.V.**, a corporation established and existing under the laws of The Netherlands, and having its principal place of business at Antareslaan 1, 2132 Hoofddorp, The Netherlands ("Assignor"), does hereby sell, assign, transfer and convey, subject to any existing rights, licenses and/or obligations of or to third parties, unto **Alcatel Lucent S.A.**, a corporation established and existing under the laws of France and having its principal place of business at 3 avenue Octave Gréard, 75007 Paris, France ("Assignee"), all of Assignor's right, title and interest, for all countries, jurisdictions and political entities of the world, in and to any and all of the following (collectively, "Rights"):

- (a) The invention or inventions (collectively, "Inventions") identified in **APPENDIX A** and all the Intellectual Property rights and privileges under any and all forms of protection, including those enumerated below;
- (b) The patent application(s) filed with respect to said Inventions, as identified in **APPENDIX A**, and patent applications or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed, with respect to the Inventions, (collectively, "Applications") including all rights to file and prosecute such Applications directly in the name of Assignee;
- (c) All patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Inventions or the Applications (collectively, "Patents") including, but not limited to, any already granted patents identified in **APPENDIX A**;
- (d) All patents and patent applications for which any of these Applications or Patents directly or indirectly form a basis for priority;
- (e) All reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuing prosecution applications, divisions, or registrations of, any item in any of the any of the foregoing categories (b), (c) or (d);
- (f) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c), (d) or (e) and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- (g) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c), (d) or (e) (including, without limitation, the right to sue and to pursue damages, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto);
- (h) All rights to license and to collect royalties and other payments under or on account of any of the foregoing categories (a), (b), (c), (d) or (e); and
- (i) Any and all other rights and interests arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c), (d) or (e),

- (j) Any and all obligations and liabilities arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c), (d) or (e).

with respect to which, and to the extent to which, Assignor had or has acquired the right to so sell, assign, convey, transfer and deliver.

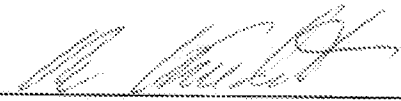
Assignor requests the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the Assignee to the Assignor's entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

IN WITNESS WHEREOF, each of the Parties has caused this Assignment to be executed by its duly authorized representatives on the respective dates entered below.

ASSIGNOR:

ALCATEL-LUCENT N.V

By: 

Name: Ulrich Knecht

Title: VP Patent Creation & Operations

Date: 20 June 2013

ASSIGNEE:

ALCATEL LUCENT

By: 

Name: Emmanuelle Wetzel

Title: Director Patent Creation

Date: 20 June 2013

APPENDIX A									
FAMILY REF	CASE REF	COUNTRY	FILING TYPE	FILING DATE	FILING NUMBER	GRANT DATE	GRANT NUMBER	STATUS	
018740	018740-US-NP	US	National Patent	2/16/1993	08/017780	23-Jul-1996	5539859	Grant	
018785	018785-CA-NP	CANADA	National Patent	8/5/1993	2101971	18-Dec-2007	2101971	Grant	
	018785-JP-NP	JAPAN	National Patent	8/6/1993	196019/93	31-Oct-2003	3487879	Grant	
	018785-US-NP	US	National Patent	7/30/1993	099558	22-Jul-1997	5651004	Grant	
019122	019122-US-NP	US	National Patent	7/28/1993	102993	24-Oct-1995	5461669	Grant	
019177	019177-US-NP	US	National Patent	6/29/1993	083190	25-Jun-1996	5530594	Grant	
019284	019284-US-NP	US	Continuation-in-part	10/11/1993	244610	16-Jan-1996	5485297	Grant	
019285	019285-DE-EPA	GERMANY	National Patent	1/14/1994	94400095.9	23-Oct-1996	0608165	Grant	
	019285-FR-EPA	FRANCE	National Patent	01/14/1994	94400095.9	23-Oct-1996	0608165	Grant	
	019285-GB-EPA	UNITED KINGDOM	National Patent	01/14/1994	94400095.9	23-Oct-1996	0608165	Grant	
	019285-US-NP	US	European Application	1/18/1994	182507	18-Jul-1995	5434879	Grant	
019359	019359-CN-NP	CHINA	European Application	9/15/1993	93119206.4	01-Feb-2002	2193119206.4	Grant	
019573	019573-US-NP	US	European Application	11/30/1993	159263	04-Jul-1995	5430774	Grant	
019591	019591-US-NP	US	National Patent	1/12/1994	180300	12-Dec-1995	5475678	Grant	
019592	019592-US-NP	US	European Application	2/22/1994	199871	13-Aug-1996	5546386	Grant	
019602	019602-US-NP	US	European Application	12/30/1993	175556	05-Mar-1996	5497396	Grant	
019622	019622-CN-NP	CHINA	National Patent	4/7/1994	94191724.X	16-Jan-2002	1126536A	Grant	
019742	019742-AU-NP	AUSTRALIA	European Application	2/23/1994	61115/94	26-Feb-1998	683245	Grant	
	019742-US-NP	US	National Patent	8/3/1995	495615	18-Mar-1997	5612992	Grant	
019784	019784-AU-NP	AUSTRALIA	European Application	3/7/1994	57661/94	02-Apr-1998	673576	Grant	
	019784-FI-NP	FINLAND	National Patent	3/7/1994	941066	30-May-2003	111111	Grant	
	019784-JP-DIV[3]	JAPAN	National Patent Divisional	3/9/1994	200854392	03-Sep-2010	4579996	Grant	
	019784-JP-NP	JAPAN	National Patent	3/9/1994	038813/94	16-Sep-2005	3720855	Grant	
	019784-JP-DIV	JAPAN	National Patent	3/9/1994	200557324	28-Dec-2007	4059885	Grant	
	019784-US-NP	US	National Patent Divisional	3/9/1994	207687	08-Oct-1996	5564075	Grant	
019877	019877-JP-NP	JAPAN	National Patent Divisional	6/10/1994	129343/94	06-Sep-2002	3347877	Grant	
019978	019978-US-NP	US	National Patent	6/27/1994	266373	04-Jul-1995	5430410	Grant	
019994	019994-CA-NP	CANADA	National Patent	10/11/1994	2117840	30-Mar-2004	2117840	Grant	
	019994-JP-NP	JAPAN	National Patent	10/12/1994	246462/94	25-Jun-2004	3569903	Grant	
	019994-US-NP	US	National Patent Divisional	10/11/1994	320744	25-Feb-1997	5606558	Grant	
020265	020265-US-NP	US	National Patent Divisional	1/11/1995	371396	05-Mar-1996	5497264	Grant	
020312	020312-JP-NP	JAPAN	PCT Application	12/26/1995	339011/95	20-Apr-2007	3947241	Grant	
	020312-US-NP	US	PCT Application	12/27/1995	579432	27-Oct-1998	5828472	Grant	
020391	020391-CN-NP	CHINA	PCT Application	4/20/1995	95190320.9	24-Oct-2001	95190320.9	Grant	
020540	020540-AU-NP	AUSTRALIA	National Patent Divisional	6/30/1995	23340/95	18-Feb-1999	698691	Grant	
	020540-CN-NP	CHINA	National Patent	7/10/1995	95115005.7			Pending	
	020540-US-NP	US	National Patent	7/6/1995	08/498749	02-Dec-2008	7460562	Grant	
020603	020603-US-NP	US	National Patent	9/22/1995	08/532500	09-Feb-1999	5870680	Grant	
020858	020858-AU-NP	AUSTRALIA	National Patent	6/13/1996	55954/96	20-Jan-2000	710161	Grant	
	020858-JP-NP	JAPAN	National Patent	5/19/1996	193818/96	19-Nov-2004	3618915	Grant	

PATENT

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FAMILY REF	CASE REF	COUNTRY	FILING TYPE	FILING DATE	FILING NUMBER	GRANT DATE	GRANT NUMBER	STATUS
020939	020939-US-NP	US	National Patent	5/21/1996	08/651680	07-Dec-1999	5999297	Grant
020954	020954-US-NP	US	National Patent	5/28/1996	653777	11-Nov-1997	5687021	Grant
020971	020971-FR-NP	FRANCE	National Patent	1/30/1996	9601082	13-Mar-1998	2744246	Grant
	020971-JP-NP	JAPAN	National Patent	30-Jan-1997	017177/97	22-Oct-2004	3608698	Grant
	020971-US-NP	US	National Patent	1/29/1997	787011	08-Jun-1999	5911015	Grant
020972	020972-FR-NP	FRANCE	National Patent	1/30/1996	9601083	27-Feb-1998	2744247	Grant
	020972-JP-NP	JAPAN	National Patent	30-Jan-1997	017178/97	22-Dec-2006	3895417	Grant
	020972-US-NP	US	PCT Application	1/29/1997	790933	08-Dec-1998	5848205	Grant
020974	020974-FR-NP	FRANCE	National Patent	9/8/1995	9510548	17-Oct-1997	2738698	Grant
	020974-US-NP	US	National Patent	9/6/1996	08/709152	29-Sep-1998	5815299	Grant
020994	020994-US-NP	US	National Patent	2/11/1997	776921	04-Aug-1998	5789993	Grant
021001	021001-US-NP	US	National Patent	7/11/1996	08/678266	18-Aug-1998	5796501	Grant
021090	021090-CN-NP	CHINA	National Patent	7/24/1996	96112164.5	26-May-2004	7196112164.5	Grant
021108	021108-US-NP	US	National Patent	7/3/1996	08/675624	06-Oct-1998	5818837	Grant
93118	93118-US-NP	US	National Patent	11/15/1991	792851	20-May-1997	5631760	Grant
93246	93246-US-NP2	US	National Patent	8/18/1994	292507	07-Jan-1997	5592478	Grant
93269	93269-US-NP2	US	National Patent	4/22/1994	231029	05-Nov-1996	5572675	Grant
93293	93293-US-NP2	US	National Patent	9/10/1992	943307	26-May-1998	5758021	Grant
93679	93679-DE-EPA	GERMANY	National Patent	6/9/1993	93109253.0	18-Sep-1996	574816	Grant
	93679-FR-EPA	FRANCE	National Patent	06/09/1993	93109253.0	18-Sep-1996	0574816	Grant
	93679-GB-EPA	UNITED KINGDOM	National Patent	06/09/1993	93109253.0	18-Sep-1996	574816	Grant
93696	93696-AU-NP	AUSTRALIA	National Patent	6/21/1993	41384	21-Nov-1995	659743	Grant
	93696-US-NP	US	National Patent	6/25/1993	83685	16-May-1995	5416773	Grant
93703	93703-JP-NP	JAPAN	National Patent	6/29/1993	159325/93	02-Feb-2002	3336078	Grant
93706	93706-US-NP	US	National Patent	7/13/1993	91304	22-Nov-1994	5367479	Grant
93712	93712-CN-NP	CHINA	National Patent	7/16/1993	93108258.7	16-Jun-2001	7193108258.7	Grant
	93712-IL-NP	ISRAEL	National Patent	6/23/1993	106111	06-Mar-1997	11106111	Grant
	93712-JP-NP	JAPAN	National Patent	7/19/1993	178333/93	12-Sep-2003	3471853	Grant
	93728-BE-EPA	BELGIUM	National Patent	7/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-DE-EPA	GERMANY	National Patent	07/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-ES-EPA	SPAIN	PCT Application	07/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-FR-EPA	FRANCE	European Application	07/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-GB-EPA	UNITED KINGDOM	National Patent	07/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-IT-EPA	ITALY	National Patent	07/16/1993	93111418.5	02-May-1997	581138	Grant
	93728-SE-EPA	SWEDEN	National Patent	07/16/1993	93111418.5	02-May-1997	581138	Grant
93746	93746-US-NP	US	National Patent	8/19/1993	109096	28-Mar-1995	5402423	Grant
93768	93768-US-NP2	US	National Patent	10/25/1995	547850	30-Jul-1996	5541982	Grant
93817	93817-US-NP	US	National Patent	10/28/1993	144276	06-Jun-1995	5422889	Grant
93850	93850-US-NP	US	PCT Application	11/29/1993	158609	29-Oct-1996	5570377	Grant
93901	93901-JP-NP	JAPAN	National Patent	1/24/1994	5977/94	20-Mar-2003	3410192	Grant

PATENT

REEL: 041967 FRAME: 0788

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FAMILY REF	CASE REF	COUNTRY	FILING TYPE	FILING DATE	FILING NUMBER	GRANT DATE	GRANT NUMBER	STATUS
93940	93940-US-NP	US	National Patent	2/24/1994	201245	09-Apr-1996	5506723	Grant
93954	93954-US-NP2	US	National Patent	8/18/1995	08/516896	17-Dec-1996	5586166	Grant
93972	93972-US-NP	US	PCT Application	3/24/1994	217359	28-May-1996	5521752	Grant
94012	94012-CN-PCT	CHINA	Euro-PCT Application	4/29/1994	94191941.2	02-May-2001	2194191941.2	Grant
	94012-US-PCT	US	National Patent	4/29/1994	08/537796	29-Sep-1998	5815207	Grant
94013	94013-US-NP	US	Euro-PCT Application	4/18/1994	229362	04-Nov-1997	5684840	Grant
94014	94014-US-NP	US	National Patent	4/28/1994	234275	12-Sep-1995	5450400	Grant
94035	94035-US-NP	US	European Application	5/19/1994	246180	27-Aug-1996	5550577	Grant
94036	94036-US-NP	US	European Application	5/19/1994	245951	18-Jun-1996	5528282	Grant
94037	94037-JP-NP	JAPAN	National Patent	5/19/1994	105794/94	08-Oct-2004	3604724	Grant
	94037-US-NP	US	National Patent	5/19/1994	246182	03-Sep-1996	5553005	Grant
94080	94080-US-NP2	US	National Patent	9/20/1996	08/717138	03-Feb-1998	5715394	Grant
94087	94087-US-NP	US	National Patent Divisional	7/6/1994	271128	26-May-1998	5758022	Grant
94089	94089-AU-NP	AUSTRALIA	National Patent	6/27/1994	65978/94	30-Oct-1997	677653	Grant
94093	94093-US-NP	US	European Application	7/12/1994	273716	13-Aug-1996	5546389	Grant
94106	94106-US-NP	US	National Patent	7/26/1994	280840	26-Sep-1995	5453872	Grant
94107	94107-AU-NP	AUSTRALIA	European Application	7/13/1994	67400/94	02-Oct-1997	677330	Grant
94110	94110-US-NP	US	National Patent	7/29/1994	282888	20-Aug-1996	5548834	Grant
94125	94125-AU-NP	AUSTRALIA	National Patent Divisional	8/18/1994	70348	22-Jan-1998	679758	Grant
	94125-CN-NP	CHINA	National Patent	8/26/1994	94115722.9	29-Dec-2000	2194115722.9	Grant
94131	94131-AU-NP	AUSTRALIA	National Patent	8/18/1994	70346	29-Jan-1998	681161	Grant
	94131-JP-NP	JAPAN	National Patent	30-Aug-1994	205676/94	18-Apr-2008	4112640	Grant
94146	94146-US-NP	US	National Patent	8/29/1994	297239	26-Sep-1995	5453980	Grant
94162	94162-US-CNT	US	National Patent	6/5/1997	08/869476	06-Jul-1999	5920835	Grant
94239	94239-US-NP	US	National Patent	12/2/1994	349066	02-Apr-1996	5504610	Grant
94255	94255-US-NP	US	National Patent	11/23/1994	344083	07-Jul-1998	5777998	Grant
94258	94258-US-NP	US	National Patent	12/27/1994	364129	03-Sep-1996	5553077	Grant
94270	94270-US-PCT	US	National Patent	1/25/1995	08/682673	13-Apr-1999	5894558	Grant
94285	94285-US-NP2	US	National Patent	5/31/1996	653068	02-Dec-1997	5694398	Grant
94287	94287-CN-NP	CHINA	National Patent	2/21/1995	95102057.9	10-Jul-2002	2195102057.9	Grant
	94287-JP-NP	JAPAN	National Patent	2/22/1995	34144/95	30-Apr-2004	3549934	Grant
	94287-US-NP	US	National Patent	2/22/1995	08/392467	21-Jul-1998	5784303	Grant
94309	94309-US-NP	US	European Application	3/15/1995	404412	08-Jul-1997	5646945	Grant
94311	94311-AU-NP	AUSTRALIA	National Patent	3/6/1995	13658	07-Jan-1999	696753	Grant
94320	94320-US-NP	US	PCT Application	3/22/1995	408628	29-Apr-1997	5625886	Grant
94328	94328-US-NP	US	National Patent Divisional	3/28/1995	412129	28-Jan-1997	5598445	Grant
94339	94339-AU-NP	AUSTRALIA	PCT Application	4/5/1995	16274	04-Mar-1999	699052	Grant
	94339-CN-NP	CHINA	European Application	4/7/1995	95104011.1	18-Jun-2003	2195104011.1	Grant
94342	94342-US-NP	US	National Patent	5/5/1995	435205	03-Jun-1997	5636253	Grant

APPENDIX A

FAMILY REF	CASE REF	COUNTRY	FILING TYPE	FILING DATE	FILING NUMBER	GRANT DATE	GRANT NUMBER	STATUS
94347	94347-JP-NP	JAPAN	European Application	4/24/1995	99030/95	13-May-2005	37675422	Grant
	94347-US-NP	US	National Patent	4/21/1995	426026	05-Nov-1996	5572521	Grant
94381	94381-US-NP	US	National Patent	6/5/1995	462702	20-Jan-1998	5710852	Grant
94439	94439-US-NP	US	European Application	7/25/1995	506832	10-Feb-1998	5717927	Grant
94469	94469-US-NP	US	National Patent	9/13/1995	527488	04-Feb-1997	5600642	Grant
94482	94482-US-NP	US	National Patent	9/22/1995	532115	15-Sep-1998	5809464	Grant
94511	94511-AU-NP	AUSTRALIA	National Patent	10/30/1995	34507	29-Jul-1999	704411	Grant
	94511-CN-NP	CHINA	European Application	10/30/1995	95118545.4	05-Jul-2006	ZL95118545.4	Grant
94516	94516-DE-EPA	GERMANY	National Patent	11/7/1994	94203235.0	31-May-2000	710915	Grant
	94516-ES-EPA	SPAIN	European Application	11/07/1994	94203235.0	31-May-2000	710915	Grant
	94516-FR-EPA	FRANCE	National Patent	11/07/1994	94203235.0	31-May-2000	710915	Grant
	94516-GB-EPA	UNITED KINGDOM	National Patent	11/07/1994	94203235.0	31-May-2000	710915	Grant
	94516-IT-EPA	ITALY	European Application	11/07/1994	94203235.0	31-May-2000	710915	Grant
	94516-AU-NP	AUSTRALIA	National Patent	10/30/1995	34508/95	08-Jul-1999	783643	Grant
	94516-US-NP	US	National Patent	11/3/1995	552916	27-May-1997	5633817	Grant
94520	94520-AU-NP	AUSTRALIA	National Patent	11/13/1995	199537779	22-Apr-1999	704418	Grant
	94520-US-NP	US	National Patent	11/16/1995	558899	09-Jun-1998	5764757	Grant
94530	94530-US-NP	US	National Patent	11/17/1995	560026	11-Feb-1997	5602845	Grant
94545	94545-CN-NP	CHINA	National Patent	12/6/1995	95120526.9	18-Jun-2003	ZL95120526.9	Grant
	94545-JP-NP	JAPAN	European Application	28-Nov-1995	309600/95	28-Jul-2006	3833739	Grant
94579	94579-JP-NP	JAPAN	National Patent	12/26/1995	339680/95	09-Sep-2005	3717987	Grant
	94579-US-NP	US	National Patent	12/14/1995	0572059	06-Jan-1998	5706111	Grant
94598	94598-AU-NP	AUSTRALIA	National Patent	1/19/1996	42056	12-Nov-1998	694827	Grant
94619	94619-US-NP	US	National Patent	1/22/1996	599460	24-Mar-1998	5732075	Grant
94626	94626-US-NP	US	National Patent	2/23/1996	606315	14-Jul-1998	5781623	Grant
94658	94658-AU-NP	AUSTRALIA	National Patent	4/15/1996	50657	17-Jun-1999	706604	Grant
94666	94666-CN-NP	CHINA	National Patent	4/26/1996	96104480.2	05-Dec-2001	ZL96104480.2	Grant
	94666-US-NP	US	National Patent	4/23/1996	636236	19-May-1998	5754535	Grant
94667	94667-CN-NP	CHINA	European Application	4/26/1996	96100245	07-Nov-2003	ZL96100245.X	Grant
	94667-US-NP	US	European Application	4/22/1996	635624	13-Oct-1998	5822433	Grant
94721	94721-US-NP	US	National Patent	7/10/1996	675323	04-Aug-1998	5790550	Grant
94722	94722-US-NP	US	National Patent	7/10/1996	677468	22-Sep-1998	5812599	Grant
94745	94745-CN-NP	CHINA	National Patent	7/26/1996	96110863.0	14-May-2003	ZL96110863.0	Grant
	94745-US-NP	US	PCT Application	7/24/1996	08/685404	26-Oct-1999	5974126	Grant
94750	94750-US-NP	US	PCT Application	7/31/1996	688844	28-Jul-1998	5786913	Grant
94751	94751-US-NP	US	PCT Application	8/2/1996	691258	27-Jul-1999	5930262	Grant
94760	94760-IL-NP	ISRAEL	National Patent Divisional	7/23/1996	118919	23-Mar-2000	IL118919	Grant
	94760-US-CNT	US	National Patent	3/29/1999	09/280942	13-Mar-2001	6202178	Grant
	94760-US-NP	US	National Patent	8/15/1996	08/700756	25-May-1999	5907560	Grant
94767	94767-US-NP	US	PCT Application	8/21/1996	701082	05-May-1998	5748710	Grant

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94778	94778-US-NP	US	National Patent	9/17/1996	718641	05-Oct-1999	5963885	Grant
94781	94781-JP-NP	JAPAN	National Patent	24-Sep-1996	251672/96	18-Aug-2006	3842349	Grant
	94781-US-NP	US	National Patent	9/16/1996	714342	19-May-1998	5754319	Grant
94789	94789-AU-NP	AUSTRALIA	National Patent	9/20/1996	65755	02-Sep-1999	709604	Grant
	94789-CN-NP	CHINA	National Patent	9/27/1996	96113049.0	10-Dec-2003	7196113049.0	Grant
94800	94800-US-NP	US	National Patent	11/11/1996	729429	09-Feb-1999	5870432	Grant
95028	95028-US-NP	US	National Patent	11/11/1995	551310	16-Jun-1998	5768259	Grant
95302	95302-CN-NP	CHINA	European Application	4/22/1994	94105002.5	08-Apr-1999	7194105002.5	Grant
	95302-US-NP	US	PCT Application	4/22/1994	231127	25-Apr-1995	5410272	Grant
103110	103110-US-NP	US	National Patent	10/4/2001	09/969579			Pending
103615	103615-US-NP	US	National Patent	10/23/2002	10/277897			Pending
103952	103952-FR-EPA	FRANCE	National Patent	11/07/2002	02292776.8	27-Feb-2013	1317114	Grant
	103952-GB-EPA	UNITED KINGDOM	National Patent	11/07/2002	02292776.8	27-Feb-2013	1317114	Grant
103956	103956-US-NP	US	National Patent	11/14/2002	10/293306			Pending
104296	104296-US-NP	US	National Patent	3/14/2003	10/387407			Pending
104494	104494-US-PCT	US	PCT Application	6/13/2003	10/517369			Pending
104662	104662-US-NP	US	National Patent	5/30/2003	10/448125			Pending
104742	104742-US-NP	US	National Patent	8/26/2003	10/647255			Pending
104743	104743-US-NP	US	National Patent	9/30/2003	10/673458			Pending
104745	104745-US-NP	US	National Patent	7/24/2003	10/625721			Pending
104772	104772-US-NP	US	National Patent	7/30/2003	10/629597			Pending
104778	104778-US-NP	US	National Patent	9/18/2003	10/664865			Pending
104958	104958-US-NP	US	National Patent	4/16/2004	10/825243			Pending
105006	105006-DE-EPA	GERMANY	National Patent	11/17/2003	03292851.7	23-Jan-2013	1432210	Grant
	105006-FR-EPA	FRANCE	National Patent	11/17/2003	03292851.7	23-Jan-2013	1432210	Grant
	105006-GB-EPA	UNITED KINGDOM	PCT Application	11/17/2003	03292851.7	23-Jan-2013	1432210	Grant
	105006-US-NP	US	National Patent	11/20/2003	10/716485			Pending
105011	105011-US-PCT	US	PCT Application	12/5/2002	10/504917			Pending
105031	105031-EP-EPA	EUROPE	European Application	10/28/2003	03292683.4	27-Feb-2013	1418733	Grant
	105031-US-NP	US	National Patent	11/6/2003	10/701621			Pending
	105031-DE-EPA	GERMANY	European Application	10/28/2003	03292683.4	27-Feb-2013	1418733	Grant
	105031-FR-EPA	FRANCE	National Patent	10/28/2003	03292683.4	27-Feb-2013	1418733	Grant
	105031-GB-EPA	UNITED KINGDOM	National Patent	10/28/2003	03292683.4	27-Feb-2013	1418733	Grant
105070	105070-US-CNT	US	National Patent	1/12/2009	12/352344			Pending
105107	105107-US-NP	US	National Patent	7/29/2004	10/901190			Pending
105187	105187-US-NP	US	National Patent	9/17/2004	10/942998			Pending
105202	105202-EP-EPA	EUROPE	European Application	9/1/2004	04292145.2			Pending
	105202-US-NP	US	National Patent	9/2/2004	10/932053			Pending
105215	105215-EP-EPT	EUROPE	Euro-PCT Application	6/23/2005	05857317.1			Pending
	105215-US-PCT	US	PCT Application	6/23/2005	11/571039			Pending

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105450	105450-EP-EPA	EUROPE	European Application	2/23/2005	05290413.3			Pending
	105450-US-NP	US	National Patent	2/24/2005	11/063525			Pending
105555	105555-US-NP	US	National Patent	2/11/2005	11/055667			Pending
105680	105680-EP-EPA	EUROPE	European Application	3/10/2006	06110951.8			Pending
	105680-US-NP	US	National Patent	3/10/2006	11/372128			Pending
105729	105729-EP-EPA	EUROPE	European Application	12/15/2005	05301062.5			Pending
	105729-US-NP	US	National Patent	12/16/2005	11/304811			Pending
105827	105827-DE-EPA	GERMANY	European Application	12/31/2004	04293178.2	19-Dec-2012	1677124	Grant
	105827-FR-EPA	FRANCE	National Patent	12/31/2004	04293178.2	19-Dec-2012	1677124	Grant
	105827-GB-EPA	UNITED KINGDOM	European Application	12/31/2004	04293178.2	19-Dec-2012	1677124	Grant
105943	105943-EP-EPA	EUROPE	European Application	4/22/2005	05290906.6			Pending
	105943-US-NP	US	National Patent	4/21/2006	11/408048			Pending
106001	106001-US-NP	US	National Patent	12/4/2006	11/566420			Pending
106172	106172-EP-EPA	EUROPE	European Application	11/7/2005	05292351.3			Pending
	106172-US-NP	US	National Patent	11/6/2006	11/556733			Pending
106186	106186-EP-EPA	EUROPE	European Application	11/7/2005	05292352.1			Pending
	106186-US-NP	US	National Patent	11/6/2006	11/556730			Pending
113188	113188-US-NP	US	National Patent	7/8/2002	10/189408			Pending
113282	113282-EP-EPA	EUROPE	European Application	1/14/2002	02360028.1			Pending
	113282-US-NP	US	National Patent	1/13/2003	10/340692			Pending
113621	113621-EP-EPA	EUROPE	European Application	4/25/2003	03360052.9			Pending
	113621-US-NP	US	National Patent	4/6/2004	10/817814			Pending
113699	113699-EP-EPA	EUROPE	European Application	10/29/2002	02360301.2	27-Feb-2013	1416742	Grant
	113699-US-DIV	US	National Patent	3/15/2007	11/686674			Pending
	113699-DE-EPA	GERMANY	National Patent	10/29/2002	02360301.2	27-Feb-2013	1416742	Grant
	113699-FR-EPA	FRANCE	National Patent	10/29/2002	02360301.2	27-Feb-2013	1416742	Grant
	113699-GB-EPA	UNITED KINGDOM	National Patent	10/29/2002	02360301.2	27-Feb-2013	1416742	Grant
113730	113730-US-NP	US	National Patent	10/22/2004	10/969916			Pending
113893	113893-US-NP	US	National Patent	5/20/2004	10/849131			Pending
114013	114013-US-NP	US	National Patent	8/18/2004	10/920265			Pending
114113	114113-US-NP	US	National Patent	6/23/2004	10/873359			Pending
114182	114182-US-DIV	US	PCT Application	7/19/2004	11/863678			Pending
	114182-US-DIV[2]	US	National Patent	9/28/2007	11/863769			Pending
114227	114227-US-NP	US	National Patent	9/29/2004	10/951820			Pending
114295	114295-EP-EPA	EUROPE	European Application	2/22/2005	05290415.8			Pending
	114295-US-NP	US	National Patent	2/21/2006	11/357130			Pending
114384	114384-US-NP	US	National Patent	6/29/2005	11/168419			Pending
114393	114393-US-NP	US	National Patent	5/17/2005	11/130203			Pending
114421	114421-US-NP	US	National Patent	5/24/2006	11/439259			Pending
114458	114458-US-NP	US	National Patent	7/14/2006	11/486043			Pending

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114480	114480-US-NP	US	National Patent	9/23/2005	11/233116			Pending
114514	114514-US-NP	US	National Patent	9/12/2005	11/222941			Pending
114703	114703-US-NP	US	National Patent	5/16/2006	11/434227			Pending
114791	114791-US-NP	US	National Patent	11/28/2006	11/564116			Pending
114842	114842-US-NP	US	National Patent	7/10/2006	11/483085			Pending
114928	114928-EP-EPA	EUROPE	European Application	8/9/2005	05291699.6			Pending
	114928-US-NP	US	National Patent	7/24/2006	11/491053			Pending
114938	114938-US-CNT	US	European Application	9/22/2011	13/239979			Pending
114949	114949-US-NP	US	National Patent	12/14/2006	11/638502			Pending
114953	114953-US-NP	US	National Patent	12/7/2006	11/608182			Pending
114984	114984-US-NP	US	National Patent	5/10/2007	11/747218			Pending
115153	115153-US-NP	US	National Patent	5/23/2007	11/752607			Pending
120531	120531-US-NP	US	National Patent	6/17/2002	10/171971			Pending
120546	120546-US-NP	US	National Patent	10/7/2002	10/265446			Pending
120619	120619-US-NP	US	National Patent	10/7/2002	10/265375			Pending
120625	120625-EP-EPA	EUROPE	European Application	1/8/2002	02290028.6	13-Mar-2013	1326476	Grant
	120625-DE-EPA	GERMANY	European Application	01/08/2002	02290028.6	13-Mar-2013	1326476	Grant
	120625-FR-EPA	FRANCE	National Patent	01/08/2002	02290028.6	13-Mar-2013	1326476	Grant
	120625-GB-EPA	UNITED KINGDOM	European Application	01/08/2002	02290028.6	13-Mar-2013	1326476	Grant
120710	120710-US-NP	US	National Patent	1/24/2003	10/350080			Pending
120739	120739-US-NP	US	National Patent	5/13/2003	10/436055			Pending
120756	120756-US-CNT	US	National Patent	6/7/2010	12/795532			Pending
120822	120822-US-NP	US	National Patent	7/16/2004	10/892273			Pending
120880	120880-US-NP	US	National Patent	7/2/2004	10/882235			Pending
120887	120887-US-NP	US	National Patent	7/9/2004	10/886606			Pending
121017	121017-US-NP	US	National Patent	12/14/2005	11/302267			Pending
121018	121018-US-NP	US	National Patent	8/4/2005	11/196763			Pending
121021	121021-US-NP	US	National Patent	9/14/2005	11/225053			Pending
121022	121022-US-NP	US	National Patent	3/29/2005	11/091888			Pending
121049	121049-EP-EPA	EUROPE	European Application	12/23/2004	04293125.3	20-Mar-2013	1677568	Grant
	121049-DE-EPA	GERMANY	European Application	12/23/2004	04293125.3	20-Mar-2013	1677568	Grant
	121049-FR-EPA	FRANCE	National Patent	12/23/2004	04293125.3	20-Mar-2013	1677568	Grant
	121049-GB-EPA	UNITED KINGDOM	National Patent	12/23/2004	04293125.3	20-Mar-2013	1677568	Grant
134894	134894-CN-PCT	CHINA	European Application	6/12/2000	00801378.0	23-Apr-2008	00801378.0	Grant
803051	803051-AU-NP	AUSTRALIA	European Application	12/6/1993	52337/93	06-Jan-1997	670141	Grant
	803051-JP-NP	JAPAN	National Patent	11/30/1993	300682/93	25-Jul-2003	3455257	Grant
019284B	019284B-JP-NP	JAPAN	European Application	10/11/1993	509700/94	31-Jan-2003	9394255	Grant
	019284B-US-NP	US	National Patent	6/3/1994	244624	16-Jul-1996	5537239	Grant

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