

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4969218

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CHANGE OF NAME
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AT&T BLS INTELLECTUAL PROPERTY, INC.	11/24/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T DELAWARE INTELLECTUAL PROPERTY, INC.
<b>Street Address:</b>	675 W. PEACHTREE STREET
<b>Internal Address:</b>	SUITE 4000
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30308
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14805552
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(443)964-2201
<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>	
<b>Email:</b>	qle@polsinelli.com
<b>Correspondent Name:</b>	AT&T LEGAL DEPARTMENT - POLSINELLI PC
<b>Address Line 1:</b>	ONE AT&T WAY, ROOM 2A-207
<b>Address Line 2:</b>	ATTN: PATENT DOCKETING
<b>Address Line 4:</b>	BEDMINSTER, NEW JERSEY 07921
<b>ATTORNEY DOCKET NUMBER:</b>	030101-CON-1
<b>NAME OF SUBMITTER:</b>	QUY LE
<b>SIGNATURE:</b>	/Quy Le/
<b>DATE SIGNED:</b>	05/19/2018
<b>Total Attachments: 7</b>	
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# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T BLS INTELLECTUAL PROPERTY, INC.", CHANGING ITS NAME FROM "AT&T BLS INTELLECTUAL PROPERTY, INC." TO "AT&T DELAWARE INTELLECTUAL PROPERTY, INC.", FILED IN THIS OFFICE ON THE FIRST DAY OF NOVEMBER, A.D. 2007, AT 1:08 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



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You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6181489

DATE: 11-24-07

PATENT  
REEL: 046186 FRAME: 0660

# Delaware

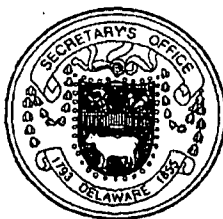
PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "BELLSOUTH INTELLECTUAL PROPERTY CORPORATION", CHANGING ITS NAME FROM "BELLSOUTH INTELLECTUAL PROPERTY CORPORATION" TO "AT&T INTELLECTUAL PROPERTY, INC.", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2007, AT 11:39 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

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*Harriet Smith Windsor*  
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Harriet Smith Windsor, Secretary of State  
AUTHENTICATION: 5631074

DATE: 04-27-07

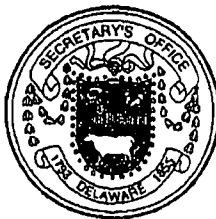
PATENT  
REEL: 046186 FRAME: 0661

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T INTELLECTUAL PROPERTY, INC.", CHANGING ITS NAME FROM "AT&T INTELLECTUAL PROPERTY, INC." TO "AT&T BLS INTELLECTUAL PROPERTY, INC.", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF JULY, A.D. 2007, AT 12 O'CLOCK P.M.



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070872688

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 5890643

DATE: 07-31-07

PATENT  
REEL: 046186 FRAME: 0662

ATT Cases to be Transferred to Novak Druce

ATT No.	Application No./ Patent No.	Filing Date/ Issue Date	Inventors	Assigned to	Reel/ Frame	Which assigned to	Reel/ Frame
00333	09/879,219 6,876,970	06-13-2001 04-05-2005	Michael Silver Linda Roberts	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012185/ 0575	AT&T Intellectual Property I, L.P.	022266/ 0765
00333	11/015,544	12-17-2004	Michael Silver Linda Roberts	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012185/ 0575	AT&T Intellectual Property I, L.P.	022266/ 0765
00409	09/870,202 6,944,594	05-30-2001 09-13-2005	Senis Busayapongchai Pichet Chintrakulchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012089/ 0191	AT&T Intellectual Property I, L.P.	022266/ 0765
00409	11/204,887	08-15-2005	Senis Busayapongchai Pichet Chintrakulchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012089/ 0191	AT&T Intellectual Property I, L.P.	022266/ 0765
01154	10/038,944	12-31-2001	Lee Friedman	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012466/ 0453	AT&T Intellectual Property I, L.P.	022266/ 0765
01154	60/336,328	Inactive	Lee Friedman	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012466/ 0453	AT&T Intellectual Property I, L.P.	022266/ 0765
01154	PCT/US02/3540 1	Inactive	Lee Friedman	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012466/ 0453	AT&T Intellectual Property I, L.P.	022266/ 0765

ATT Cases to be Transferred to Novak Druce

ATT No.	Application No./ Patent No.	Filing Date/ Issue Date	Inventors	Assigned to	Reel/ Frame	Which assigned to	Reel/ Frame
01182	09/965,549	09-27-2001	Linda Roberts Edward Silver Hong Nguyen	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title	012425/ 0296	AT&T Intellectual Property I, L.P.	022266/ 0765
01309	60/317,723	Inactive	Scott Stillman Paul Wilson Xiaogeng Gao	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012761/ 0796	AT&T Intellectual Property I, L.P.	022266/ 0765
01309	10/033,627 7,466,800	12-27-2001 12-16-2008	Scott Stillman Paul Wilson Xiaogeng Gao	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	012761/ 0796	AT&T Intellectual Property I, L.P.	022266/ 0765
02366	10/458,532	06-10-2003	Senis Busayapongchai Pichet Chintrakulchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	014174/ 0010	AT&T Intellectual Property I, L.P.	022266/ 0765
030022	10/647,709	08-25-2003	Senis Busayapongchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title	014445/ 0703	AT&T Intellectual Property I, L.P.	022266/ 0765
030093	10/647,611	08-25-2003	Senis Busayapongchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title	014482/ 0246	AT&T Intellectual Property I, L.P.	022266/ 0765
030099	10/610,045	06-30-2003	Scott Stillman	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	014258/ 0025	AT&T Intellectual Property I, L.P.	022266/ 0765

ATT Cases to be Transferred to Novak Druce

ATT No.	Application No./ Patent No.	Filing Date/ Issue Date	Inventors	Assigned to	Reel/ Frame	Which assigned to	Reel/ Frame
030100	10/603,403	06-24-2003	Dave Anderson Senis Busayapongchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	014239/ 0521	AT&T Intellectual Property I, L.P.	022266/ 0765
030101	10/603,724 7,303,474	06-24-2003 12-04-2007	Dave Anderson Senis Busayapongchai	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	014240/ 0767	AT&T Intellectual Property I, L.P.	022266/ 0765
030101	11/949,309	12-03-2007	Dave Anderson Senis Busayapongchai	BellSouth Intellectual Property Corporation	014240/ 0767	AT&T Intellectual Property I, L.P.	022266/ 0765
040014	10/868,558	06-15-2004	Dale Malik	(AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached. BellSouth Intellectual Property Corporation	015481/ 0310	AT&T Intellectual Property I, L.P.	022266/ 0765
040284	11/005,824	12-07-2004	Dave Anderson	(AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached. BellSouth Intellectual Property Corporation	022089/ 0373	AT&T Intellectual Property I, L.P.	022266/ 0765
040439	11/148,457	06-09-2005	Michael Denny David Anderson	(AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached. BellSouth Intellectual Property Corporation	020739/ 0327	AT&T Intellectual Property I, L.P.	022266/ 0765
060386	11/881,564	07-27-2007	Dave Anderson	(AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached. BellSouth Intellectual Property Corporation	019680/ 0951	AT&T Intellectual Property I, L.P.	022266/ 0765
070074	11/888,074	07-31-2007	Peter Hill Robert Koch	(AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached. BellSouth Intellectual Property Corporation	016679/ 0310	AT&T Intellectual Property I, L.P.	022266/ 0765



ATT Cases to be Transferred to Novak Druce

ATT No.	Application No./ Patent No.	Filing Date/ Issue Date	Inventors	Assigned to	Reel/ Frame	Which assigned to	Reel/ Frame
99140	09/471,315 7,136,458	12-23-1999 11-14-2006	Samuel Zellner Mark Enzmann Robert Moton Jr.	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	010813/ 0685	AT&T Intellectual Property I, L.P.	022266/ 0765
99140	11/598,502	11-13-2006	Samuel Zellner Mark Enzmann Robert Moton Jr.	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	010813/ 0685	AT&T Intellectual Property I, L.P.	022266/ 0765
BE1- 0010USC	10/946,259 7,337,117	09-21-2004 02-26-2008	Anita Simpson	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	011659/ 0189	AT&T Intellectual Property I, L.P.	022266/ 0765
BE1- 0010US	09/742,779 6,804,650	12-20-2000 10-12-2004	Anita Simpson	BellSouth Intellectual Property Corporation (AT&T Delaware Intellectual Property I, L.P.) Change of Title papers are attached.	011659/ 0189	AT&T Intellectual Property I, L.P.	022266/ 0765