

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3101795

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LUCENT TECHNOLOGIES INC.	05/31/2002
RECEIVING PARTY DATA		
Name:	AGERE SYSTEMS GUARDIAN CORP.	
Street Address:	555 UNION BOULEVARD	
City:	ALLENTOWN	
State/Country:	PENNSYLVANIA	
Postal Code:	18109	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Patent Number:	5513174	
CORRESPONDENCE DATA		
Fax Number:	(714)755-8290	
<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>		
Email:	ipdocket@lw.com	
Correspondent Name:	LATHAM & WATKINS LLP	
Address Line 1:	650 TOWN CENTER DRIVE	
Address Line 2:	SUITE 2000	
Address Line 4:	COSTA MESA, CALIFORNIA 92626	
ATTORNEY DOCKET NUMBER:	040981-0072	
NAME OF SUBMITTER:	RHONDA DELEON	
SIGNATURE:	/Rhonda DeLeon/	
DATE SIGNED:	11/10/2014	
Total Attachments: 35		
source=Patent Assignment 4#page1.tif		
source=Patent Assignment 4#page2.tif		
source=Patent Assignment 4#page3.tif		
source=Patent Assignment 4#page4.tif		
source=Patent Assignment 4#page5.tif		
source=Patent Assignment 4#page6.tif		
source=Patent Assignment 4#page7.tif		

PATENT

source=Patent Assignment 4#page8.tif
source=Patent Assignment 4#page9.tif
source=Patent Assignment 4#page10.tif
source=Patent Assignment 4#page11.tif
source=Patent Assignment 4#page12.tif
source=Patent Assignment 4#page13.tif
source=Patent Assignment 4#page14.tif
source=Patent Assignment 4#page15.tif
source=Patent Assignment 4#page16.tif
source=Patent Assignment 4#page17.tif
source=Patent Assignment 4#page18.tif
source=Patent Assignment 4#page19.tif
source=Patent Assignment 4#page20.tif
source=Patent Assignment 4#page21.tif
source=Patent Assignment 4#page22.tif
source=Patent Assignment 4#page23.tif
source=Patent Assignment 4#page24.tif
source=Patent Assignment 4#page25.tif
source=Patent Assignment 4#page26.tif
source=Patent Assignment 4#page27.tif
source=Patent Assignment 4#page28.tif
source=Patent Assignment 4#page29.tif
source=Patent Assignment 4#page30.tif
source=Patent Assignment 4#page31.tif
source=Patent Assignment 4#page32.tif
source=Patent Assignment 4#page33.tif
source=Patent Assignment 4#page34.tif
source=Patent Assignment 4#page35.tif

LEGAL TITLE PATENT TRANSFER AGREEMENT

Whereas the parties have previously entered into to a PATENT AND TECHNOLOGY LICENSE AGREEMENT (the "PTLA"), effective as of February 1, 2001, by and among Lucent Technologies Inc., Lucent Technologies GRL Corp., Lucent Technologies Guardian I Corp., and various subsidiaries of Lucent (jointly and severally "Lucent"), and Agere Systems Inc. and various subsidiaries of Agere (jointly and severally "Agere");

Whereas, pursuant to sections 3.10 and 3.11 of the PTLA, exclusive licenses were granted in the patents listed on Schedules 3.10-1 to 3.10-6 and 3.11-1 to 3.11-6, inclusive (hereinafter the "Transferred Patents") to the Agere Subsidiaries and the Lucent Subsidiaries, respectively; and

Whereas, the parties now wish for the remaining rights in the Transferred Patents to be granted to the Agere Subsidiaries and the Lucent Subsidiaries, respectively.

Now therefore, effective upon signature of all of the parties, and in consideration of the mutual promises herein, the parties agree as follows:

Lucent, subject to all rights retained for itself as set out in Section 3.10(b) of the PTLA, hereby transfers all legal title in all of the patents listed in Schedules 3.10-1 to 3.10-6, inclusive, to Agere Guardian.

In Sections 3.10 and 3.11 of the PTLA, Section (d) is deleted in its entirety and the first sentence of Section (e) is not effective for acts occurring post execution of this Agreement.

Agere, subject to all rights retained for itself as set out in Section 3.11(b) of the PTLA, hereby transfers all legal title in all of the patents listed in Schedules 3.11-1 to 3.11-6, inclusive, to Lucent Guardian.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed in four originals by their duly authorized representatives.

LUCENT TECHNOLOGIES INC.

By: Bernard Zucker by Delegation
D. L. Padilla
President, Intellectual Property Business

Date: 5/31/02

LUCENT GRL LLC

By: Bernard Zucker by Delegation
D. L. Padilla
President

Date: 5/31/02

**LUCENT TECHNOLOGIES GUARDIAN I
LLC**

By: Bernard Zucker by Delegation
D. L. Padilla
President

Date: 5/31/02

**LUCENT TECHNOLOGIES OPTICAL
NETWORKING GUARDIAN LLC**

By: Bernard Zucker by Delegation
D. L. Padilla
President

Date: 5/31/02

**LUCENT TECHNOLOGIES WIRELESS
GUARDIAN LLC**

Ken Zuh by Delegation

Date: 5/31/02

**LUCENT TECHNOLOGIES FIBER
GUARDIAN LLC**

By: Bernard Zuh by Delegation
D. L. Padilla
President

Date: 5/31/02

AGERE SYSTEMS INC.

By: Gerard deBlasi
Gerard A. deBlasi
Vice President

Date: May 31, 2002

AGERE SYSTEMS GUARDIAN CORP.

By: Gerard deBlasi
Gerard A. deBlasi
Vice President

Date: May 31, 2002

Note: If a patent or application listed in Schedules 3.10-1 through 3.10-6 or in Schedules 3.11-1 through 3.11-6 is a continuing (continuation, a continuation-in-part, or a division) United States patent or application of an abandoned United States patent application having corresponding foreign counterparts, the foreign counterparts of the abandoned United States application shall be licensed herein to the party being licensed under the continuing United States patent or application, unless such foreign counterparts also correspond to another non-abandoned United States patent or application that is not being licensed to the party to whom the listed patent or application is being licensed. In the latter event, such foreign counterparts shall not be licensed.

Schedule 3.10-1: Patents licensed by Lucent Technologies Guardian I Corp. to Agere Guardian Corp.

Case Name	Filing Date	Issue Date	Patent Number
Aalaei 2	1/3/1989	02/27/90	4905255
Ackland 5-2-1	3/28/1991	6/15/1993	5220325
Ackland 6-15-2-3	10/17/1994	07/30/96	5541402
Agazzi 12-24	1/31/1995	02/25/97	5606464
Agazzi 4	9/23/1991	01/24/95	5384806
Agazzi 5-3	5/1/1992	10/04/94	5353309
Agrawal 12-2	12/19/1994	04/30/96	5513339
Agrawal 19-5-7	11/14/1996	06/16/98	5768500
Agrawal 3	6/23/1989	2/25/1992	5091872
Agrawal 5-5-4	3/22/1990	10/26/1993	5257268
Agrawal 8-1	4/3/1992	11/15/1994	5365528
Allara 2-1	6/18/1982	09/01/87	4690715
Allen 17-13-38	11/22/1996	12/08/98	5848172
Allen 9-2	12/29/1993	06/11/96	5526419
Allpress 1-3	4/4/96	12/2/97	5694079
Allpress 4	12/19/1996	07/20/99	5926455
Amir 12	11/27/1991	03/29/94	5299268
Amir 6	10/25/1989	10/23/90	4965665
Andersson 1	4/13/1983	10/29/85	4550432
Andrews 1-10-1-3-6-3-2	3/12/1986	12/22/87	4715049
Anglikowski 4-5-5	3/29/1985	4/5/1988	4736404
Argade 7-5-3	5/15/1996	03/03/98	5724505
Asnaashari 2-1	8/30/1994	10/08/96	5564055
Asthana 6-3-4	11/16/1995	12/31/96	5590370
Aubert 1	6/20/1983	09/11/84	4470830
Awater 2-3-8-2	7/30/1996	01/19/99	5862182
Bailey 1-2	11/7/1984	12/17/1985	4558812
Baillie 1-7	12/31/1992	02/21/95	5391994
Baker 10-5	9/4/1985	03/24/87	4652973
Baker 3-24	4/4/1996	09/01/98	5802116
Bakker 1-1	7/6/1995	04/07/98	5735698
Banerjea 1	8/2/1996	02/17/98	5719944
Banerjea 3	11/15/1996	03/03/98	5724429
Banh 1-1	3/20/1996	02/24/98	5721757
Banks 9-5-3	5/3/1984	07/16/85	4529299

Case Name	Filing Date	Issue Date	Patent Number
Banu 1-3	1/27/1983	4/2/1985	4509019
Bao 4-1	3/27/1998	3/7/2000	6033202
Bao 4-1	3/27/1998	3/7/2000	6033202
Baptist 1-2-1-7	5/17/1994	11/07/95	5465392
Barazesh 2-1	10/29/1997	9/14/1999	5953695
Barracough 1	7/23/1996	04/14/98	5739707
Bartlett 11-13	5/31/1996	04/28/98	5745588
Bartlett 3-4	4/21/1994	12/05/95	5473684
Basavanhally 4-25	7/24/1991	7/6/1993	5225966
Baumhauer 3-18-3	7/7/1983	08/06/85	4533795
Baumhauer 4-2-3	12/22/1989	6/9/1992	5121426
Baumhauer 6-5-4-1-2	6/30/1994	04/09/96	5506908
Beatty 1	6/12/1996	07/21/98	5784594
Behrens 4	9/25/1992	05/03/94	5309033
Benvenuto 5-4	6/5/1990	12/18/90	4979211
Berenbaum 2-2-2-2	5/16/1983	12/31/85	4562538
Berenbaum 3-1	5/30/1996	07/07/98	5778435
Bergmann 19	12/30/1994	12/31/96	5590140
Berkowitz 1-3	6/16/1983	03/07/89	4811280
Betzig 4	11/4/1991	10/19/93	5254854
Bishop 3-1-1-1-2	12/28/1986	03/07/89	4811216
Blahut 37	12/12/94	9/24/96	5559503
Blaker 13-12-21	6/5/1995	07/16/96	5537445
Blaker 14-4-13-22-5-12	6/7/1995	09/24/96	5559837
Blaker 3-2-3-3-4-10	11/16/1993	11/07/95	5465275
Blayo 2-1-3	10/10/1995	04/14/98	5739909
Blonder 61-17-10	3/22/1994	1/17/1995	5382300
Boccuzzi 2	5/12/1994	06/11/96	5526381
Boer 2-3	12/24/1990	07/07/92	5128960
Bontekoe 2	12/14/1993	08/15/95	5442636
Bortolini 3	12/10/1992	09/13/94	5347227
Bose 5-5	6/13/1990	05/10/94	5311598
Bossard 1-1	11/5/1981	12/8/1987	4711118
Bottiglieri 3-31-1-3	10/18/1993	05/02/95	5412657
Braff 2-1-1-2	12/17/1990	11/24/92	5166930
Brown 10-13-6-40	10/4/1996	11/17/1998	5838786
Brown 5		3/10/1998	5726602
Brown 6	1/2/1997	4/13/1999	5894522
Bryson 1-5-49	2/27/1997	05/26/98	5756887
Burger 1-1-1-6-2-5	3/26/1993	02/07/95	5388153
Burger 1-5-1-1-1	4/29/1988	5/29/1990	4928527
Busking 1	5/5/1995	08/19/97	5659253
Buszko 1-1-4	9/25/1997	08/24/99	5942930
Cadet 11-13	2/28/95	3/26/96	5501098
Cadet 6-8-6	2/25/1993	06/27/95	5427659
Cadet 7-7	12/30/93	2/28/95	5392635
Cai 2-1-12	4/29/1997	11/03/98	5831561
Calderbank 4-3	5/19/1989	02/13/90	4901331
Calderbank 5	2/20/1987	11/29/88	4788694
Cannon 5-8	12/17/1997	02/15/00	6026152

Case Name	Filing Date	Issue Date	Patent Number
Carloni 4-11-5	6/9/1997	10/13/98	5821782
Cava 34-4	11/17/1997	11/30/1999	5993947
Cavallo 1	12/2/1993	01/10/95	5381475
Cezanne 1-8	11/5/1993	12/5/1995	5473701
Chan 1-8	12/21/1989	1/8/1991	4983804
Chandross 76-5-10-27-2	10/15/1996	04/21/98	5741629
Chang 2	9/17/93	3/19/96	5500605
Chen 1-15-6-6	9/17/1997	12/21/1999	6005377
Chen 21-10-31	12/9/96	12/2/97	5694519
Chen 6	5/3/1993	7/22/1997	5651091
Cheng 8-5	6/6/1994	04/30/96	5513122
Cheng-Quispe 1-2-1-1-18ReRe	3/12/1996	4/25/2000	RE36673
Chiussi 3-13-6	1/16/1996	11/18/1997	5689500
Chiussi 6-13-1	11/15/1996	5/18/1999	5905711
Choi 1	2/26/1987	07/11/89	4847875
Choi 2	5/22/1987	08/16/88	4764941
Clark 1-6-1-1	10/9/1990	05/19/92	5114233
Clark 2-10-2	7/31/1990	9/17/1991	5048747
Clifton 2	2/1/1993	7/19/1994	5331591
Cohen 4-4-32	9/25/1995	07/30/96	5541964
Comino 4	1/3/1997	09/08/98	5805011
Condon 18-39	12/28/93	8/22/95	5444777
Condon 24-11	9/5/1996	04/28/98	5744988
Cook 1-7-9-2-2	7/27/1983	2/12/1985	4498953
Cook 2-10-3-1	10/12/1984	11/19/1985	4554047
Corcoran 1-3	3/13/1990	1/11/1994	5278959
Corcoran 4-7-2	3/13/1990	08/29/95	5446865
Corcoran 6-9	5/18/1993	07/05/94	5327537
Cox 1-4-3	10/25/1993	03/14/95	5397241
Cox 5-9	2/11/1993	10/11/94	5355376
Crochiere 8-2	8/25/1995	09/02/97	5664011
Cubbison 9	11/6/1985	03/24/87	4652701
Cunningham 33-42	5/24/1996	04/07/98	5735950
Cupo 4	6/22/1988	07/11/89	4847864
Curtin 1	12/15/1997	11/16/1999	5986200
Curtis 8	5/6/1983	12/3/1985	4556276
Dahringer 16-8	4/25/1996	04/21/98	5741430
Daudelin 5	12/31/1985	03/24/87	4652775
Daughters 1	4/30/1990	07/02/91	5028892
Daughters 2	8/1/1996	9/22/1998	5811961
Davidson 1-9-1-1	12/14/1988	07/16/91	5032991
De Palma 1-5-14-1	5/9/1997	10/12/99	5966516
DeBruler 6	9/4/1990	05/28/96	5522072
Debus 1-5-1	7/27/1983	12/01/87	4710891
Debus 4	5/9/1985	09/20/88	4773034
Debus 6-10	4/28/1986	07/19/88	4759037
Debus 7-1-4	8/4/1986	04/05/88	4736389
Debus 8-3-5	10/20/1986	07/19/88	4759039
Degani 11-1	11/4/1991	6/30/1992	5125560
Degani 15	11/24/1993	1/31/1995	5385290

Case Name	Filing Date	Issue Date	Patent Number
DeLeon 1-5	10/31/94	9/3/96	5553014
DePaolis 3	8/12/1997	06/29/99	5917769
DeSantolo 5-5	12/3/1996	11/2/1999	5976623
Diepstraten 12-4	6/18/1993	07/12/94	5329531
Diepstraten 5-2	9/3/1991	04/25/95	5410738
Diepstraten 7-3	6/9/1994	06/06/95	5422887
Diethorn 1	12/23/1994	08/20/96	5548642
Diethorn 2	6/18/1997	3/7/2000	6035048
Dinella 22-6-7-9	12/30/1994	03/26/96	5501777
Ditzel 8-7	7/19/1990	08/27/91	5043870
Doak 2	12/23/1994	05/28/96	5521550
Dormer 2-20	12/22/1997	11/23/99	5989354
Dorward 4-36	1/31/1995	04/29/97	5625745
Dravida 4	9/18/1990	07/14/92	5131012
Dravida 8-1-1	1/13/1992	10/05/93	5251215
Dravida 9	3/1/1993	01/25/94	5282214
Dubois 4-6	1/29/1986	09/16/86	4612407
Dudderar 31-12-10-36	9/26/1997	2/1/2000	6020219
Dumbri 7-9	12/22/1982	01/28/86	4567581
Duttweiler 9	2/17/1983	12/31/85	4562312
Dwyer 1-12	3/26/1997	11/30/1999	5996068
Easter 16-3	5/21/1998	2/15/2000	6024829
Eldumiati 3-1-1	11/29/1985	8/2/1988	4761732
Elko 4-3-1-31	5/19/1989	10/23/1990	4965775
Elko 6-1-5-33	12/23/1991	02/07/95	5388163
Elko 7-6-3-34	3/23/1993	04/12/94	5303307
Erving 4	12/28/1988	02/13/90	4901346
Eryilmaz 1	5/19/1997	2/2/1999	5867574
Esposito 3-2-6-2-1-2	8/12/1996	07/15/97	5649088
Evans 13-3-6-2	7/17/1992	9/7/1993	5243641
Evans 26-3-5	1/30/1996	3/30/1999	5890069
Fadavi-Ardekani 1-8	11/30/1990	5/26/1992	5117291
Fadavi-Ardekani 4	4/21/1994	05/02/95	5412740
Farrow 20	7/5/1984	11/24/87	4709374
Farrow 24	2/4/1988	09/12/89	4866647
Farrow 29	12/31/1996	10/5/1999	5963594
Farrow 3	2/26/1997	5/25/1999	5906902
Farrow 30	12/31/1996	2/9/1999	5870442
Feldman 24-1	7/28/1989	4/2/1991	5004321
Feldman 26-2	1/3/1991	1/7/1992	5078482
Feldmann 2-2	6/9/1995	11/18/97	5689685
Feldmann 4-1-3	4/2/1997	2/2/1999	5867416
Fenstermaker 1-6	2/10/1993	9/6/1994	5345419
Fernando 3-1	5/7/1996	06/02/98	5761492
Fischer 11-1	8/11/1995	04/22/97	5623449
Fischer 15-4	2/26/1998	10/19/1999	5970013
Fishburn 4	7/30/1997	12/01/98	5845233
Flanagan 3-33	9/29/1995	09/29/98	5815496
Flanagan 6-46	2/12/1998	12/28/99	6009083
Flora-Holmquist 2-2	12/28/1993	12/05/95	5473531

Case Name	Filing Date	Issue Date	Patent Number
Forgues 3	7/11/1996	12/22/98	5852662
Frank 1-4-1-6-1	5/9/1994	11/14/95	5466972
Frankenthal 4-1-4	10/30/1992	02/22/94	5288951
Frankenthal 5-1-2	3/26/1993	1/17/1995	5381701
Frielink 1-1	7/31/1995	03/10/98	5726566
Gabara 31	10/24/1995	04/14/98	5739714
Gabara 35-15	10/8/1996	05/26/98	5757249
Galvin-Donoghue 8-26	7/15/1996	05/26/98	5756266
Gay 3	9/3/1993	06/27/95	5428562
Gay 4	6/19/1995	10/14/97	5677951
Geigel 2-2	3/30/95	12/31/96	5590121
Gerveshi 1-1-2-1	10/2/1995	08/04/98	5790072
Gillis 1-6-2-1	10/21/1991	10/04/94	5353341
Gillis 2-7-3-2	11/1/1991	06/21/94	5323447
Gitlin 13-11	12/24/1984	02/17/87	4644537
Gitlin 16	5/8/1989	02/19/91	4995104
Gitlin 17-2	8/7/1989	10/08/91	5056117
Glogovsky 2	5/8/1998	11/30/99	5993681
Goodnow 1-2-2	2/4/1994	12/31/96	5590329
Gottscho 15-3-9	11/6/1996	11/2/1999	5976637
Grewe 20-3	5/22/1995	12/02/97	5694516
Grieco 2-1	5/21/1984	07/30/85	4532005
Grizmala 1-1-1	10/27/1989	08/07/90	4947425
Grochowski 1-1	12/29/1995	04/28/98	5744969
Guzinski 1-3-5-1	6/30/1993	7/26/1994	5332996
Guzinski 3-5	12/28/1994	12/05/95	5473651
Haagh 3-3-1	9/10/1991	09/29/92	5151920
Hache 1-1	7/19/94	3/19/96	5500896
Hanson 7-24-3-3-3	3/28/1994	04/15/97	5620558
Harriott 1-15-16	12/14/1987	01/30/90	4897361
Haskell 25-3	7/2/1992	02/15/94	5287182
Haskell 50-8	1/22/1996	09/16/97	5668841
Haughton 2-1	6/28/93	3/7/95	5396553
Havens 2-1-1	4/29/1986	4/26/1988	4740992
Havens 3-1	7/25/1994	08/01/95	5438301
Hechtman 5	11/7/1986	11/03/87	4704550
Hedlund 4	7/11/1990	08/04/92	5136584
Heimann 2-14-2	8/21/1984	07/14/87	4680084
Hill 2	4/2/1991	10/19/93	5255221
Hock 5	4/23/1984	4/8/1986	4581691
Hollenbach 1-10-3	11/14/1997	06/15/99	5912513
Hollenbach 6-20-8	2/24/1998	03/02/99	5877565
Holtz 6-1	7/13/1987	3/14/1989	4813066
Honea 2	4/10/1992	10/04/94	5353313
Honig 1-1	8/10/1995	09/23/97	5671227
Hsieh 2	1/31/1997	03/30/99	5889851
Huang 5-1	8/31/1983	5/27/1986	4592019
Huang 6	11/10/1994	01/02/96	5481540
Iyengar 1	8/25/1995	09/02/97	5663955
Jacksier 2	8/29/1983	01/28/86	4567604

Case Name	Filing Date	Issue Date	Patent Number
Jarwala 4-4	10/9/1990	10/13/92	5155732
Javitt 1-1	8/19/1991	08/17/93	5237591
Jin 24-6	11/8/1983	08/20/85	4536229
Jin 31-13-1-29-12	9/5/1986	04/12/88	4737112
Jin 75-5-11	3/30/1994	09/12/95	5450372
Jon 12-1	4/17/1997	05/11/99	5903220
Kamerman 4-9	3/21/1995	06/03/97	5636247
Kavehrad 1	4/19/1984	03/18/86	4577330
Kavehrad 5-1	7/24/1986	10/20/87	4701909
Kestenbaum 9-1	8/23/1989	11/12/91	5064685
Khoury 4	9/16/1992	09/06/94	5345119
Kim 4-9-3	10/7/1996	07/14/98	5779929
Kimura 1-1	4/23/1996	06/30/98	5774019
Knauer 4	8/19/1985	06/14/88	4751675
Kohs 3	5/4/1983	08/27/85	4538271
Kopmeiners 1-4	12/31/1996	06/29/99	5917865
Kostic 1	3/23/93	9/5/95	5448590
Koyama 5	4/12/1996	01/06/98	5706311
Krause 1	7/14/1983	09/03/85	4539434
Kriz 1-2	7/5/1990	05/21/91	5017807
Kumar 17-7-8-3-3	8/27/1997	4/27/1999	5898689
Kustka 8	7/2/1992	07/06/93	5226082
Lakshmikumar 9	2/27/1996	05/20/97	5631595
Lane 1	6/24/1991	08/04/92	5136263
Laroia 2	10/20/1993	05/23/95	5418531
Larson 14-3	4/14/1995	01/02/96	5481680
Larsson 4-1	8/6/1996	12/02/97	5694423
Larsson 6-4	1/23/1997	1/4/2000	6011808
Law 10	12/31/1991	11/09/93	5259920
Leedy 1	12/29/1988	04/16/91	5008672
Leonowich 10	6/28/1994	7/18/1995	5434525
Leonowich 16-2	6/12/1998	09/07/99	5949228
Leonowich 9	11/30/1993	10/31/95	5463337
Lese 5-2-1-1-1	3/2/1987	08/02/88	4761800
Lewandowski 2	8/21/1989	10/13/1992	5155692
Lewis 1-1	4/15/1991	10/19/93	5255383
Lin 2	12/29/1988	06/26/90	4937817
Lin 6	1/31/1996	8/10/1999	5935270
Ling 8-14	1/10/1986	01/20/87	4638401
Literati 2-3-1-8	6/2/1993	01/21/97	5596727
Losel 8	5/30/1985	02/10/87	4642746
Lotfi 10-20	9/25/1997	7/20/1999	5925827
Lotfi 13-27	7/31/1998	8/17/1999	5939641
Ludwick 1	12/27/1983	08/12/86	4606046
Ludwick 4-3	5/27/1986	05/05/87	4663583
MacDonald 1	12/26/95	10/6/98	5818216
Magnusson 3	1/23/97	6/16/98	5767751
Marchman 15-13	6/3/1996	12/02/97	5693938
Marchman 16-14	6/24/1997	09/22/98	5811796
Marcus 9-5	4/10/1996	12/17/1996	5586183

Case Name	Filing Date	Issue Date	Patent Number
Martin 3	12/10/1984	11/11/86	4622670
Martin 5-2	1/11/1993	01/24/95	5384774
McAteer 4-1	10/28/1992	11/29/1994	5369701
Meeker 5-1	8/1/1984	03/18/86	4577169
Miller 1	12/30/1988	06/25/91	5027330
Miller 17-1	1/15/1988	04/03/90	4914081
Miller 34-4	4/2/1992	09/21/93	5245796
Miller 8	9/23/1983	07/23/85	4530139
Mitchell 5-3	1/23/1991	07/07/92	5128006
Mobin 16	12/16/1994	05/05/98	5748680
Moelard 1	6/20/1995	06/03/97	5636217
Molloy 1	8/14/1990	09/24/91	5052031
Morano 1	7/27/1994	07/04/95	5430396
Morris 5	4/24/1987	06/28/88	4754169
Moskowitz 1-2	6/3/1991	5/3/1994	5309447
Muscavage 1	11/5/1992	12/07/93	5268656
Muscavage 7-2	11/3/1997	08/31/99	5945850
Myers 1-2-1	7/31/1991	06/29/93	5224126
Nagaraj 14	5/30/1995	01/13/98	5708703
Nagaraj 15	7/31/1995	06/24/97	5642077
Nagaraj 18-1	11/26/1996	06/09/98	5764695
Nagaraj 21	12/18/1996	04/14/98	5739678
Nagaraj 7	4/30/1993	04/11/95	5406247
Nagaraj 9	12/29/1993	04/30/96	5512817
Nardozza 2	3/30/1993	12/27/94	5376880
Neumann 1-3-6-6	11/8/1983	08/19/86	4607364
Newton 2	10/2/1997	11/2/1999	5978757
Nichols 2-4	3/31/1988	12/11/90	4977582
Niegel 3	9/16/1994	09/01/98	5802122
North 2	12/8/93	8/8/95	5439634
Obeng 13	12/17/1996	04/07/98	5735963
O'Bryan 9-8-8	12/26/1984	01/07/86	4563661
Ollendick 9	3/23/1984	03/11/86	4575859
Optimay-1		11/09/99	5983366
Ota 4-16	2/2/1989	06/18/91	5025456
Ota 6-19	11/13/1992	12/06/94	5371763
Partyka 4	12/2/1994	10/15/96	5566183
Partyka 6	9/12/1996	11/17/98	5838180
Perdikaris 2-3	5/31/1991	11/10/92	5163047
Petty 7	9/29/1989	10/23/90	4965796
Prasanna 1	11/8/1995	04/21/98	5742821
Price 3-2	5/1/1989	10/08/91	5056088
Punj 12	12/7/1994	04/30/96	5513174
Raffman 1-1	7/7/1994	11/10/98	5835787
Raghunath 1	12/28/1995	05/25/99	5907497
Raghunath 4	4/30/1997	08/10/99	5937007
Raghunath 5	4/30/1997	8/31/1999	5946349
Rainal 11	10/12/1995	07/08/97	5646543
Ramaswamy 1-3	2/18/1994	10/14/97	5678059
Ray 1	12/27/1985	08/25/87	4688939

Case Name	Filing Date	Issue Date	Patent Number
Rosenberg 2	3/8/1995	12/15/98	5850260
Ryan 1	3/9/1983	07/16/85	4530095
Ryan 7	8/27/1997	7/27/1999	5930587
Saari 30	7/3/1986	03/15/88	4731590
Saltzberg 22	12/30/1987	11/14/89	4881059
Sayiner 1-2	11/5/1996	06/08/99	5910969
Schemmel 4	4/5/1990	6/9/1992	5121108
Schorr 3	9/28/1994	6/18/1996	5528688
Scordo 6	3/12/1984	03/11/86	4575860
Scott 1-8	10/4/1989	5/14/1991	5016012
Seshadri 2	6/22/1990	11/16/93	5263033
Shahid 10	7/22/1994	11/21/95	5468338
Shanbhag 1	4/28/95	1/20/98	5710794
Shelby 2	5/22/1995	11/25/97	5691580
Silverberg 3-12	4/30/1996	9/14/1999	5953428
Snyder 2	12/30/1991	11/08/94	5363489
Soljanin 1	8/15/1995	03/04/97	5608397
Sonntag 4	7/28/1989	04/30/91	5012142
Sonntag 5	11/30/1993	12/27/94	5377231
Sonntag 9	10/10/1995	02/18/97	5604497
Stenard 1	12/3/1990	08/04/92	5136617
Suhir 6	8/13/1998	2/22/2000	6028772
Tewksbury 8	11/10/1983	09/18/84	4472727
Thamm 2	3/18/1991	06/16/92	5122757
Thapar 1	1/4/1983	08/06/85	4534040
Thomas 2	3/7/1986	4/28/1987	4661375
Thurnhofer 1-4	11/15/1996	8/10/1999	5935266
Tol 1-1	3/20/1987	5/24/1988	4746902
Tol 2-2	3/20/1987	11/22/1988	4786884
Tomasevich 1	2/28/1986	09/27/88	4774496
Torok 10-3	3/2/1984	09/15/87	4694472
Tsai 3	5/25/1990	11/26/91	5068657
Tuch 5-2	12/24/1990	06/15/93	5220564
Tuch 6	12/4/1992	02/14/95	5390165
Tung 6	1/17/1986	11/17/87	4707197
van Nee 3	9/4/1996	11/24/98	5841813
van Ooijen 1-5	11/30/1993	08/15/95	5442702
Vermeer 3	8/9/1997	10/19/99	5970402
Vermeer 6	10/8/1997	12/21/99	6006116
Visee 1	8/20/1996	11/09/99	5983288
Wang 10	7/9/1991	11/09/93	5260972
Wang 14	10/13/1994	02/18/97	5604769
Wang 16	4/4/1996	09/29/98	5815529
Wang 17	4/4/1996	10/27/98	5828954
Wang 19	4/4/1996	10/13/98	5822368
Wang 2	6/19/1997	07/27/99	5929795
Wang 20	4/4/1996	05/12/98	5751774
Wang 21	4/4/1996	09/01/98	5802079
Waring 1	12/8/1983	11/18/86	4623888
Wei 10	12/11/1990	03/16/93	5195107

Case Name	Filing Date	Issue Date	Patent Number
Wei 12	9/12/1991	06/01/93	5216694
Wei 17	4/16/1992	12/05/95	5473621
Wei 18	4/16/1992	07/12/94	5329551
Wei 21	4/19/1993	05/23/95	5418798
Wei 25	4/12/1994	03/14/95	5398073
Wei 30	4/2/1996	01/28/97	5598432
Wei 4	5/30/1989	07/10/90	4941154
Wei 41	9/24/1997	02/16/99	5872817
Wei 9	11/7/1990	04/14/92	5105442
Werner 10	12/4/1984	07/21/87	4682358
Werner 35-1	5/7/1996	08/11/98	5793807
Werner 41-3	11/8/1996	09/15/98	5809074
Werner 43-5	12/12/1996	8/17/1999	5940440
Wilson 2	4/27/1990	03/30/93	5199049
Wittman 8	2/7/96	12/15/98	5850156
Yang 1	11/25/1997	07/27/99	5927589
Zervos 6	9/4/1997	10/05/99	5963562
Ziemer 5	7/12/1997	10/19/99	5969745
		5/30/95	5420894
		10/10/95	5457601
		12/05/95	5472585
		01/02/96	5481596
		08/27/96	5550700
		02/02/99	5867766
		08/24/99	5943420
		11/09/99	5982824
		11/23/99	5991220
		11/23/99	5991287
		11/23/99	5991539
		02/22/00	6028889
		02/22/00	6029071
		2/22/2000	6029248
Morgan 2-1	3/12/1993	07/12/94	5329587

**Schedule 3.10-2: Patents licensed by Lucent Technologies Optical
Networking Guardian Corp. to Agere Guardian Corp.**

Case Name	Filing Date	Issue Date	Patent Number
Dudderar 27-	5/27/1998	10/19/99	5966903

**Schedule 3.10-3: Patents licensed by Lucent Technologies Wireless
Guardian Corp. to Agere Guardian Corp.**

Case Name	Filing Date	Issue Date	Patent Number
Allpress 2-1-1-2	5/30/1996	07/06/99	5920552
Arntz 1-3-3	10/20/1992	04/12/94	5302914
Awater 3-5	4/1/1997	12/21/99	6005840
Ayanoglu 6	9/21/1994	2/17/1998	5719883
Baker 2-15-2-5-1	12/20/1994	03/03/98	5724653
Boccuzzi 1	3/3/1994	08/27/96	5550868
Boer 1-1-2-1-2	3/14/1996	01/06/98	5706428
Brederveld 1-1-2-2-1	12/30/1996	04/27/99	5898679
Bronner 1	12/10/1996	02/15/00	6026288
Bronner 2	12/11/1996	02/16/99	5873046
Busking 3	10/15/1992	05/17/94	5313218
Chen 9-2	4/25/1996	3/3/1998	5724005
Copley 1	12/31/1991	11/22/94	5367539
Das 1-1	2/25/1997	11/02/99	5978690
Davis 16-2	12/19/1994	06/17/97	5640691
Debus 5-3	8/14/1986	02/23/88	4727534
Diamondstein 1-2-8	11/16/1993	07/11/95	5432804
Diepstraten 13	4/14/1994	02/13/96	5491723
Diepstraten 3-2	1/16/1996	09/03/96	5553316
Diepstraten 8	4/2/1993	08/16/94	5339316
Erkocevic 1-1	10/3/1995	01/28/97	5598174
Erkocevic 2	3/28/1994	05/30/95	5420599
Erkocevic 3	3/23/1995	08/27/96	5550554
Fisher 13-1	2/28/1989	04/14/92	5105164
Grohgan 1-1	3/27/1997	08/17/99	5940747
Hamparian 3	4/20/1998	09/21/99	5955927
Harsanyi 1	12/18/1995	04/22/97	5623321
Huang 2-17-3-3	8/20/1996	02/09/99	5870378
Huang 3-18-10-4-4	8/20/1996	03/09/99	5881056
Kamerman 1-1	12/31/1996	06/01/99	5909462
Kamerman 5-1	12/24/1990	11/29/94	5369639
Kamerman 6-1	12/24/1990	11/17/92	5164942
Kamerman 7-4	12/24/1990	07/14/92	5131006
Khorramabadi 3-2-6	7/14/1995	11/09/99	5982228
Kim 2		10/5/1999	5963856
Kleijne 1	1/25/1993	01/03/95	5379290
Knoedl 16-14	2/14/1997	10/12/99	5966055
Kohlschmidt 1	3/11/1997	02/22/00	6029061
Kostic 2-1	4/24/1995	07/15/97	5648983
Kruys 1	12/1/1995	03/09/99	5881372
Li 1	12/17/1996	06/22/99	5914949
Lieu 2	8/9/1994	05/21/96	5519887
Martin 2	8/8/1997	#####	5970429
Masleid 1-4	4/11/1990	08/13/91	5040175
McPherson 1-2-9	2/4/1985	10/06/87	4698769
Mobin 18	3/8/1995	03/17/98	5729558

Case Name	Filing Date	Issue Date	Patent Number
Mobin 20	3/8/1995	01/07/97	5592514
Mobin 27	1/10/1997	02/16/99	5872801
Moelard 4-5	5/28/1993	12/06/94	5371738
Pagano 2-7	9/27/1995	02/11/97	5602847
Papadopoulos 5-19	11/12/1996	11/23/99	5991334
Partyka 5-1	6/21/1996	05/25/99	5907798
Ramesh 1-1	3/23/1994	02/20/96	5493712
Razavi 4	8/22/1995	11/12/96	5574405
Seshadri 22-14	4/29/1994	08/13/96	5546420
Seshadri 39-32	8/6/1998	3/28/2000	6044073
Strakovsky 1	3/31/1995	10/14/97	5678209
Subramanian 1	9/13/1993	11/01/94	5361276
ten Brink 1	8/16/1996	06/08/99	5910950
Thomson 11	7/16/1990	07/28/92	5133129
Troutman 1	11/30/1994	05/07/96	5515014
Wang 2	1/29/1990	03/19/91	5001742
		04/25/89	4825437
		09/12/95	5450438
		10/05/99	5963856
		11/16/99	5987033
		03/28/00	6044073

Schedule 3.10-4: Patents licensed by Lucent Technologies Guardian I Corp. to Agere Optoelectronics Guardian Corp.

Case Name	Filing Date	Issue Date	Patent Number
Ackerman 3-5	10/13/1988	1/1/1991	4982333
Basavanhally 18	3/15/1996	12/23/97	5700987
Benzoni 8	11/9/1993	05/16/95	5416668
Bjorkholm 16	3/11/1983	05/21/85	4518456
Blonder 52	8/26/1992	10/12/1993	5252434
Blonder 57-17	5/21/1993	01/10/95	5380551
Bodeep 3-5	6/7/95	5/20/97	5631757
Brandle 13-5-11-3	6/3/1988	6/4/1991	5021302
Brandle 24-10-12	7/5/1995	03/04/97	5608570
Brandle 8-3-26	5/1/1986	10/06/87	4698820
Buchanan 1-1-1	7/31/1997	03/02/99	5878074
Chand 7-2	10/3/1996	06/30/98	5773318
Coyle 8-1-1-1	11/18/1992	12/7/1993	5268556
Dautartas 30-32	2/24/1997	08/10/99	5935451
Dodabalapur 9-7-4	9/13/1995	10/07/97	5674636
Glass 18	11/30/1984	02/10/87	4642799
Gossard 13-11	9/14/1984	05/27/86	4591889
Graebner 15-142-30	10/27/1997	09/28/99	5959388
Harvey 6-2-1-3	1/2/1991	06/30/92	5126660
Harvey 8-4	10/18/1990	06/30/92	5126661
Hlinka 1-1-4-9-29	2/15/1996	02/17/98	5718830
LeCraw 24-9-21	12/10/1985	3/3/1987	4647514
Lee 3-1	12/15/1994	07/30/96	5541443
Lopata 1	11/12/1993	1/3/1995	5377896
Mersereau 2-7-19	10/14/1993	12/06/94	5370768
Ota 8-21	8/22/1994	07/04/95	5430766
Rhoades 1	11/4/1997	10/19/99	5969970
Takahashi 4	12/2/1994	11/19/96	5575962
Takahashi 5	11/7/1995	01/06/98	5705256
Yeates 2	12/1/1993	3/7/1995	5396059

**Schedule 3.10-5: Patents licensed by Lucent Technologies Fiber
Guardian Corp. to Agere Optoelectronics Guardian Corp.**

Case Name	Filing Date	Issue Date	Patent Number
Adar 5-22-18-3	6/24/1992	01/04/94	5276746
Anigbo 1-25-8-2-1-1-28	12/22/1995	03/09/99	5881193
Benzoni 4-2-13	8/6/1992	7/15/1997	5649039
Buchal 1-2	1/17/1995	9/10/1996	5555342
Davies 5-1-20-6-1-1	10/3/1997	11/2/1999	5978539
Gaebe 6	2/14/1996	11/4/1997	5684901
Joyce 8	4/1/1998	10/5/1999	5963695
Koren 11-3	8/3/1990	06/30/92	5127081
Li 9-3	6/7/1996	04/28/98	5745619

**Schedule 3.10-6: Patents licensed by Lucent Technologies Optical
Networking Guardian Corp. to Agere Optoelectronics Guardian Corp.**

Case Name	Filing Date	Issue Date	Patent Number
Ackerman 10-2-1	7/17/1992	2/8/1994	5285468
Ackerman 8-3-20	3/20/1991	5/5/1992	5111475
Adar 4-30-21	4/10/1992	5/18/1993	5212758
Adar 6-11-25-2	2/9/1993	4/19/1994	5305336
Alferness 22	7/21/1987	05/02/89	4826282
Alferness 30-18-7	4/7/1992	9/7/1993	5243669
Alferness 32-12	1/13/1995	2/27/1996	5495543
Anthony 7-17-13-2	9/18/1997	10/19/99	5970201
Atkins 14-9-3-60	4/17/1996	6/16/1998	5768452
Bahsoun 2-6	1/3/1995	1/2/1996	5481399
Basavanhally 17-5-11-22	5/28/1996	2/24/1998	5721797
Basavanhally 20	12/31/1997	09/14/99	5953474
Belenky 1-23	6/29/1994	9/5/1995	5448585
Ben-Michael 1-17	5/31/1994	11/12/1996	5574742
Ben-Michael 2-21	5/1/1996	2/24/1998	5720893
Benton 3-3-9-1-9	6/6/1991	4/21/1992	5107538
Bergmann 24	12/26/1995	3/17/1998	5729377
Bergmann 8-11-1-43-15-1	8/7/1991	8/18/1992	5140655
Bhandarkar 6-68	10/25/1994	3/25/1997	5613995
Bishop 2-12-11-1-37	1/2/1997	9/29/1998	5815616
Bishop 3-13-12-2-38	1/2/1997	8/17/1999	5940558
Blodgett 8	8/8/1995	06/02/98	5760740
Blonder 16-14-10-14-7	5/30/1989	4/3/1990	4914667
Blonder 17-15-13-29	11/14/1989	12/18/1990	4978189
Bosch 6-2	10/14/1993	12/13/94	5373387
Bowers 1	7/30/1984	01/20/87	4638483
Brandle 17-7-8	7/14/1989	1/1/1991	4981341
Bruce 3-14-1-13	4/25/1991	6/2/1992	5119460
Bruce 4-15-2-15	12/4/1991	4/6/1993	5200029
Bruce 8-13-3-25-25	8/31/1995	10/8/1996	5563979
Chandrasekhar 2	8/17/1995	11/19/1996	5577139
Chen 3-2	7/20/1990	8/13/1991	5040183
Chen 3-48	9/8/1997	7/20/1999	5926587
Chen 4-1-4	12/20/1990	2/11/1992	5088099
Chirovsky 5-14-36	12/27/1991	08/03/93	5233184
Chraplyvy 3-8-2	1/27/1989	03/13/90	4908833
Chraplyvy 5-9-4	1/27/1989	2/27/1990	4905253
Cline 2	12/19/1995	1/20/1998	5710659
Cloonan 1-9-1	12/31/1987	05/16/89	4830444
Coult 2-3-1	12/20/1990	1/21/1992	5082343
Coult 5-10-4-7	6/22/1995	4/29/1997	5625490
Cunningham 22-6	6/17/1994	5/21/1996	5518935
Cunningham 27-31	4/6/1995	11/12/1996	5573975
Cunningham 29-35-3	6/7/1995	5/20/1997	5631472
Cunningham 30-40-13-6	2/23/1996	5/6/1997	5627383
Cunningham 34-46-15-7	6/18/1996	2/16/1999	5872016

Case Name	Filing Date	Issue Date	Patent Number
Cunningham 6-2-7-5	5/30/1989	12/25/90	4980892
Darcie 4	9/29/1986	12/27/88	4794351
Dautremont-Smith 15-4	7/22/1997	8/24/1999	5943554
Delavaux 17-8	12/16/1996	10/13/1998	5822113
Delavaux 23	3/16/1998	3/28/2000	6043929
Delavaux 4	9/15/1992	10/12/1993	5253104
Delavaux 6	8/31/1993	2/21/1995	5392153
Delavaux 7	12/23/1993	8/20/1996	5548438
Dentai 12-2-6	11/16/1993	7/11/1995	5432123
Dentai 19	1/3/1997	5/5/1998	5747861
Desurvire 1-3-4	8/8/1989	10/16/1990	4963832
DiGiovanni 16-1-3-2-5-10	9/30/1993	7/4/1995	5430572
DiGiovanni 7-10	4/12/1991	5/19/1992	5115338
Dillon 21-30	4/4/1990	7/16/1991	5031983
Dirk 1-1-2-2-3	6/19/1987	08/22/89	4859876
Doerr 10-1	2/7/1997	6/1/1999	5909522
Doerr 12-13	5/22/1997	3/9/1999	5881079
Doerr 4	11/26/1996	6/9/1998	5764665
Doerr 9	2/14/1997	12/1/1998	5845022
Dragone 25	11/24/1989	8/13/1991	5039993
Dragone 29-46	3/30/1992	8/10/1993	5235658
Dragone 34-41	2/19/1993	12/13/1994	5373517
Dragone 38	5/2/1994	5/2/1995	5412744
Dragone 40	7/25/1994	9/12/1995	5450511
Dragone 41	9/2/1994	11/14/1995	5467418
Dragone 47-5	7/9/1997	7/20/1999	5926586
Dragone 51	12/24/1997	7/6/1999	5920663
Espindola 8-11	3/26/1998	7/6/1999	5920424
Fairchild 1-8-1-9	6/10/1997	09/21/99	5956441
Fang 5	5/31/1991	06/02/92	5119228
Fatehi 11-1	8/1/1996	9/30/1997	5673142
Federici 1-2-2	12/2/1992	1/18/1994	5280383
Filas 19	10/29/1997	04/06/99	5892618
Flynn 3-1-3	1/2/1990	4/30/1991	5012484
Ford 14-40-22	2/13/1997	10/05/99	5963684
Gaebe 7	5/22/1996	4/7/1998	5737349
Glance 17	5/4/1989	04/03/90	4914666
Glance 34-9	9/2/1994	9/12/1995	5450431
Glance 40-14	6/19/1995	7/30/1996	5542010
Glance 47-13	5/28/1997	5/25/1999	5907569
Gnauck 1-16-4	4/9/1992	4/12/1994	5303079
Goossen 17	5/2/1994	4/23/1996	5510291
Goossen 30-1-1-55-22	3/14/1995	2/25/1997	5605856
Goossen 36	8/31/1995	12/16/1997	5698452
Gordon 1-1-12-6	6/19/1991	10/13/92	5155620
Halemane 2-1-1	4/5/1989	4/17/1990	4918396
Halemane 4-13-11	10/13/1989	7/2/1991	5029297
Heismann 10-18-3	11/22/1993	2/7/1995	5388170
Heismann 14-1	4/26/1996	3/11/1997	5611005
Heismann 2	2/12/1992	5/18/1993	5212743

Case Name	Filing Date	Issue Date	Patent Number
Heismann 6-10	6/18/1993	10/25/1994	5359678
Henry 25-4-2	3/19/1993	8/23/1994	5341444
Henry 31-8-4-3	3/10/1995	5/13/1997	5629999
Henry 34-10-7-8	10/24/1995	2/17/1998	5719976
Henry 41-3-16	10/15/1997	3/30/1999	5889899
Jacobovitz-Veselka 2-40	11/28/1994	10/10/1995	5457568
Joyner 6-1-10	9/19/1994	5/23/1995	5418183
Joyner 7	6/27/1995	8/19/1997	5659640
Kasper 4-1	5/29/1990	10/08/91	5055795
Keller 2-37	11/6/1991	8/17/1993	5237577
Khan 2-7	9/15/1995	4/22/1997	5623568
Khan 3-8	12/28/1995	6/17/1997	5640471
Khan 4-9	12/29/1995	12/30/1997	5703989
Knox 10	3/15/1995	5/6/1997	5627854
Knox 6	10/23/1992	11/23/93	5265109
Koch 3	10/8/1986	05/17/88	4745607
Kolodner 6-3	4/5/1996	07/14/98	5781330
Koren 16-1	10/28/1992	5/3/1994	5309469
Koren 26	3/28/1997	1/26/1999	5863809
Korotky 21-5	2/13/1997	10/05/99	5963567
LaMarche 10	5/31/1989	02/27/90	4904858
Lidgard 1-15	8/31/1989	03/26/91	5003546
Lieberman 5-28	4/17/1989	8/28/1990	4952014
Linke 4	2/8/1989	11/20/90	4972514
Luryi 19	1/10/1991	09/08/92	5146078
Mannschke 2	10/5/1987	06/13/89	4838636
Marcuse 24-58	5/13/1996	12/16/97	5699464
Marcuse 25-63	11/25/1996	6/15/1999	5912736
Marcuse 26-66	5/6/1997	08/04/98	5790720
Marcuse 27-67	5/21/1997	11/24/98	5841913
Marcuse 28-71	9/17/1997	10/12/99	5966478
Mihailidi 1-6	11/27/1995	7/8/1997	5647029
Miller 39	12/28/1992	2/22/1994	5288990
Miller 41	4/30/1993	3/12/1996	5498863
Miller 51	7/8/1994	12/5/1995	5473467
Miller 53	12/14/1994	1/9/1996	5483375
Miller 58	9/15/1995	4/28/1998	5745512
Mollenauer 11	4/10/1986	01/06/87	4635263
Murphy 12	3/8/1995	1/14/1997	5594818
Narayanan 4-61	8/27/1996	8/18/1998	5796906
Nguyen 4	3/18/1997	8/17/1999	5940209
Niki 1-2	1/4/1992	05/05/92	5110211
Olsson 11	7/29/1988	7/17/1990	4941738
Presby 47	8/12/1993	12/6/1994	5371818
Presby 49	4/22/1994	11/14/1995	5467415
Presby 62	10/18/1996	4/6/1999	5892863
Presby 65	2/7/1997	05/26/98	5757987
Presby 72	9/17/1997	4/13/1999	5894538
Robertson 1-2	3/14/1996	12/30/1997	5703990
Saleh 14	9/28/1990	5/21/1991	5017885

Case Name	Filing Date	Issue Date	Patent Number
Schubert 5	7/21/1988	5/29/1990	4929064
Shmulovich 21-24	1/13/1995	6/11/1996	5526371
Sizer 6-7	7/6/1993	5/16/1995	5416872
Swan 13	12/29/1993	2/11/1997	5602673
Swan 14	12/29/1993	5/20/1997	5631771
Taylor 8-1	6/10/1993	07/12/94	5329113
Tzeng 1	11/24/1986	01/05/88	4718120
Tzeng 3	12/18/1989	07/21/92	5132829
Valdmanis 2	6/6/1986	05/03/88	4742577
Walker 63-1	5/8/1997	02/08/00	6023362
Wilson 2	8/7/1996	09/22/98	5812294
Wurst 1	7/28/1995	09/30/97	5673282
Yaffe 9	11/21/1995	2/18/1997	5604828
Yeates 1	7/20/1992	01/11/94	5278404
Yoder 2	5/17/1996	3/31/1998	5734300
Zirngibl 1	1/31/1991	2/11/1992	5088095
Zirngibl 2	6/19/1991	7/7/1992	5128800
Zirngibl 3	1/27/1992	10/13/1992	5155780
		09/17/91	5048909
		11/02/99	5977571
		12/07/99	5999546
		12/14/99	6002823
		03/28/00	6043929
	5/30/1995	5/20/1997	RE35516

Schedule 3.11-1: Patents licensed by Agere Guardian Corp. to Lucent Technologies Guardian I Corp.

Case Name	Patent Number
Liron 1	4428044
Aadsen 1-1-1	4872168
Mozingo 1-14-2	5230000
Wei 15	5311547
Brandmaier 1	5414307
Abys 24-7	5413692
Baumert 5-14	5486783
Blaker 7-7-7	5533065
Blaker 9-9-9	5550870
Seshadri 18	5550859
Feiner 44-33	5579369
Powell 1	5583318
Ayanoglu 9-36-9-7-16	5600663
Curtis 3-7	5703705
Curtis 2-6	5719691
Curtis 21-13	5892601
Offord 5-16	5901075
Curtis 5-9	5943145
Gammel 8-2-1-1-14-3	5974363
Baker 1-13	6041086
	4268172
	4283839
	4284659
	4290034
	4296392
Bonner 16	4299651
	4300152
Burns 10	4301237
	4309267
Singh 30-111-10	4309460
Heller 13	4310405
	4313173
	4314875
Bobilin 2-4	4316285
Thiel 2	4316765
	4316920
	4317276
Wong 8	4318939
	4320281
	4320409
	4322687
	4322697
Adams 6-3-30-3	4323638
	4323797
Morehouse 1-7	4325099
Lepselter 50	4325778

Case Name	Patent Number
	4330360
Wong 9	4330637
Parker 1	4330683
	4330722
	4330935
Ingram 1-2	4331831
Sparber 5	4331913
	4331944
	4332839
	4332881
	4333157
Meal 7-8	4333213
Lifshitz 1-9-5	4333793
Fraser 17-5	4337476
	4338676
	4341818
	4342003
	4342924
Kinsbron 3-32-1	4343677
Bulger 1-1-2-6-5-5-3	4344223
	4345163
	4345170
Kinsbron 1-14	4346125
	4347431
Draper 1-1	4348263
Scavuzzo 4	4349753
Clark 1-1	4350404
Schellin 1	4352785
Holbrook 2-2	4352835
	4353086
	4354250
	4356559
	4357675
	4358690
Donnelly 2-1	4359485
	4360742
Gilly 1-1	4360964
Herman 2-12-12-2	4360995
Banks 3-4-13	4361643
Lord 4	4361749
	4364778
	4364779
	4365160
Kohl 5-5	4369099
	4370521
Francis 1	4370525
Dynes 3-1	4370640
	4371843
Brooks 1	4373204
Camlibel 10-28-109	4374391

Case Name	Patent Number
Nahory 10-7	4374867
	4375619
	4375625
Scavuzzo 6	4378505
Scavuzzo 3	4378508
	4380865
Hall 2-2	4383026
Saari 21	4383224
Benjamin 2	4384278
Dutt 4	4384398
Finegan 1-8-3-1	4385946
Keller 4-5-4	4385966
Scavuzzo 5	4386282
Toy 22	4386402
	4386459
Kohl 7-7-7	4389291
	4391683
	4393312
Wong 10	4396796
	4396994
Buckley 3-15-6-6-6	4399004
	4399417
Berkstresser 2-15	4400445
Chandross 26-3-5	4400461
Fraser 20	4400867
Butherus 10-14	4403241
Kohl 8-8	4404072
Gault 5	4404172
	4405701
Grodkiewicz 10-31-112	4407061
Fraser 19-1	4407933
Arcidiacono 2-2	4410867
Ackland 2-2	4412313
Fox 1-12	4412327
Lien 5	4412502
Fisher 1	4412642
Forrest 5-15-2	4414066
Grube 1	4414642
Jon 5-3-1	4417478
Embree 19-11-2	4419542
Morris 1	4419632
Mahajan 3-2	4421786
Shoji 7	4422141
MacChesney 34-17-18	4422898
Miller 12	5473433
Fishburn 2-1-2-1-1-1	5633807
Kohler 2	5857069
Ashby 3-18	5917379
Ransijn 2	5945847
Kolagotla 11-3-3-8	5946369

Case Name	Patent Number
Huang 1-1-1-2-1-17-1	5950096
Lippitt 1	6010828
Ashby 4	6029060
Crevasse 1-10-4-1	6033293
Martin 4	6040726
Crevasse 11-24-10-3-6	6059638
Raghunath 13	6060936
Alidina 10-7-16	6064714
Prasanna 6	6078630
Easter 62-47-40-16	6093086
Merchant 107-18-122	6100587
Artz 1-1-3-1	6101083
Lakshmikumar 14	6104228
Kearney 1-6	6107816
Crevasse 5-17-4	6121142
Rodriguez 3-1	6123602
DeBusk 1	6127289
Merchant 110-19-125	6130150
Obeng 17-5-1	6133158
Nanda 16-4	6140211
Ashton 2	6144040
Chaplin 1-3-3-4-32	6162711
Lerch 1	08/757782
Ali 5-11-15-1	09/048841
Enable 1	09/061937
Enable 2	09/062342
Cauffman 1-1-5-13-3	09/081409
Abraham 7-3	09/104965
Chetlur 2-1-3	09/121216
Chacon 1-49	09/130240
Kizilyalli 23	09/133388
Crevasse 6-18-5-1-3	09/143010
Adams 12	09/150282
Freund 15-18-15	09/163055
Chacon 2-51	09/178317
Meisner 1	09/182934
Chacon 3-56-1	09/197807
Freund 27-8-30-27-42	09/219784
McCarroll 1	09/222375
Liu 31-30	09/222586
Greenberg 6	09/226857
Chaplin 1-3-3-4-32	09/232114
Ma 28-4-13	09/232752
Navitsky 1-13	09/235975
Luther 13-14	09/235976
Frank 3-2-25	09/241699
Lakshmikumar 15	09/252309
Bryant 1-8-4	09/252416
Lakshmikumar 16	09/252523
Higashi 10-1-2-2	09/253715

Case Name	Patent Number
Iacono 1-1-1	09/259164
Kizilyalli 31-14	09/260947
Easter 26-11-4-7	09/261885
Meder 2	09/264918
Laughery 2-61-7	09/275539
Karthikeyan 1-7-10-6-13	09/287137
Freund 36-44-36	09/290421
Chakrabarti 17-19	09/290535
Gaudet 1	09/290764
Chung 7-14	09/291559
Chen 6-10-4-4	09/295546
Easter 30-15-8	09/303172
Crevasse 15-3	09/303829
Huibregtse 3	09/312546
Lebo 1-1-2	09/315248
Stevie 9-3	09/320369
Frank 4-3-27	09/322445
DeBusk 5	09/324696
Dautartas 50	09/326200
Bindell 12-10	09/328560
Dautartas 46-33-41-33-18	09/334262
Layadi 8-7-1-14-9	09/334339
Muldowney 1-2-1	09/334814
Diehl 1-37-12-45-37	09/336701
Maury 18-1-1	09/340779
Dautartas 54	09/343286
Chakrabarti 21-16	09/343738
Meder 4	09/344733
Angst 2-19	09/345874
Crevasse 13-35-19-20-13	09/348926
Freund 51-58-49-30	09/353764
Easter 36-22-15	09/354399
Broutin 14-24-28	09/356307
Meder 5	09/356604
Cuthbert 20	09/356638
Crevasse 17-44-30-23	09/356716
Crevasse 16-42-28-21	09/357405
Easter 39-25-18	09/357407
Prasanna 13	09/359554
Kizilyalli 45-97-112	09/361733
Dautartas 49-41-8-49-24-5	09/362692
Easter 33-18-11	09/366361
Easter 47-33-26	09/368339
Dayoub 1-1-2-1	09/372859
Alers 19	09/374757
Maury 22-10	09/375085
Easter 52-38-31	09/375971
Easter 48-34-27	09/376191
Crevasse 14-38-24-17	09/377580
Sadowski 1-1-8	09/378248

Case Name	Patent Number
Mucha 10	09/378250
Freund 38-21-4	09/379320
Muldowney 3-2	09/382309
Olmer 14	09/383006
Chen 9-17-7-3-7	09/383050
Houge 4-11-10-12-6	09/383154
Chacon 4-58-98	09/383457
Carroll 8-5-5-3	09/383694
Easter 55-41-34-2	09/384506
Chen 8-16-6-2-6	09/385718
Chacon 6-117-131	09/385971
Easter 57-4-43-36	09/385972
Crevasse 22-60-45-38	09/386262
Banik 1-80-72-26-1	09/386514
Chacon 5-2-1-8-115	09/387299
Alers 23	09/387323
Alers 22-4	09/387537
Dever 1-1	09/387694
Easter 56-42-35-14	09/390617
Fang 2-10-4-4	09/394978
Fang 4-12-2-6	09/395085
Day 1	09/397449
Day 2	09/397632
Easter 61-46-39-15	09/400246
Crevasse 5-17-14-13-10	09/400406
Zavilla 1	09/400668
Patino 1-1-11	09/409121
Abel 1-1-9	09/411281
Easter 65-50-43	09/412688
Biles 1-9-20-4-16	09/413144
Bhowmik 7-2-116-5-129	09/413258
Ordonez 1-1-9	09/413661
Shofner 1	09/414221
McCarroll 2-3	09/414665
Crevasse 21-58-44-37	09/415126
Freund 60-67-58	09/417710
Esry 4-19-3-15-4	09/418299
Merchant 84-4-101	09/429268
Akomer 1-11-9-1	09/430326
Layman 1	09/430434
Bautista Villares 1-1-1	09/430768
Kimmel 1	09/444098
Fritzing 14-8-3-17-18	09/447154
Crevasse 23-64-49-42	09/447884
Carroll 7-4	09/448521
Crevasse 30-28-11-5	09/450485
Muldowney 4-3	09/451316
Merchant 89-8-23-106	09/451374
Kovalchick 5-14	09/456214
Comeau 1-1-1-5-1	09/459842

Case Name	Patent Number
Bulusu 1	09/467612
Freund 61-13-69-3-60	09/478804
Chittipeddi 67-27-19	09/479288
Gould-Choquette 2-52-72	09/481190
Crevasse 31-79-31-60-55	09/481236
Cauffman 1-3-3-4-1	09/481435
Maury 16	09/481464
Crevasse 29-76-59-123-52	09/496115
Prasanna 16	09/511089
Chakrabarti 30-34-9	09/516347
Derkits 31-6	09/518705
Lakshmikumar 17-14	09/688650
Khoini-Poorfard 10-18	
Khoini-Poorfard 4	
Khoini-Poorfard 9-2-11	
Mo 9	
	4435846
Lin 4	5530707

**Schedule 3.11-2: Patents licensed by Agere Guardian Corp. to Lucent
Technologies Optical Networking Guardian Corp.**

Case Name
Urbansky 13

Patent Number
5263056

Schedule 3.11-3: Patents licensed by Agere Guardian Corp. to Lucent Technologies Wireless Guardian Corp.

Case Name	Patent Number
Bowen 1-1-14-1	5568094
Simanapalli 9	6081921
Farrokh 2-3-11	08/906537
Alidina 3-4-8	08/925608
Cannon 3	08/942789
Lui 1-7-2-1	08/996594
Rhodes 4-19	09/044529
Berthoud 2-5-3-1-2	09/058190
Dayal 1-6-2	09/075065
Kermani 2	09/078037
Arnold 1-1-3-15-3	09/099776
Baker 5-3-2	09/108429
Fajardo 1-4-2-3	09/134182
Whalen 5	09/135008
Goldovsky 2-20	09/137390
McKinley 1-5	09/138740
Greenwood 2-5-11	09/140674
Batten 2-5-4-5-2-3-1	09/152744
Mulrooney 1	09/153385
Hughes 1-5	09/160408
Luo 5	09/184742
Hughes 2-6	09/191875
Kermani 9	09/215805
Kermani 11	09/225642
Kermani 13-1-1	09/225654
El-Kik 4	09/236049
Ma 26-58	09/334911
Nelson 19-2	09/340439
Smurthwaite 2	09/357026
Greybush 5	09/386307
Belhaj 5	09/428468
Ashari 1-30-1	09/430423
Kermani 40	09/458130
Kermani 39	09/468721
Holder 7-38	09/469905
Fadavi-Ardekani 23-21-6	09/469907
Kermani 41	09/473369
Knoedl 22	09/475575
Holmqvist 1	09/488327
Curtin 14	09/568017
Ma 37-91	60/127757

Schedule 3.11-4: Patents licensed by Agere Optoelectronics Guardian Corp. to Lucent Technologies Guardian I Corp.

Lanzerotti 1-15-3	5351261
Stone 29	5384877
Capasso 38-64-2-6-31-3-7	5457709
Capasso 40-68-4-8-5-9	5502787
Capasso 39-67-3-7-4-8	5509025
Capasso 41-69-5-9-6-10	5570386
Galvin-Donoghue 5-2	5621069
Capasso 42-70-6-10-7-11	5727010
Capasso 44-75-8-12-1-9-13	5745516
Capasso 46-78-10-13-2-11-15	5936989
Capasso 43-74-7-11-8-12	5978397
Capasso 47-79-8-11-14-16	6023482
Dautartas 37-3-21-5	09/047014
Dautartas 39-11-6-24-6	09/087675
Dautartas 41-4	09/201526
Dautartas 52-45-14-15-52-43	09/333055
Dautartas 47-40-48-40	09/347422
Dautartas 59-56-61-53	09/366347
Dautartas 55-55-52	09/397030

Schedule 3.11-5: Patents licensed by Agere Optoelectronics Guardian Corp. to Lucent Technologies Fiber Guardian Corp.

Case Name	Patent Number
Wilde 3	4659175
Presby 28	4710605
Stone 21	4830451
Presby 39	4932989
Blonder 22-20-24	4995686
Gardner 9-3-23-15	5050954
Blonder 21-12	5101457
Coyle 7-32-14-7-8	5135555
Blyler 24-27-11-2-1	5166993
Basavanhally 7-2-5-6	5185846
Bonanni 4-3-6	5204925
Grimes 60-5	5425831
Atkins 11-9-20	5455835
Grubb 3	5473622
Parzygnat 5	5790738
Fleming 38	6041623

Schedule 3.11-6: Patents licensed by Agere Optoelectronics Guardian Corp. to Lucent Technologies Optical Networking Guardian Corp.

Case Name	Patent Number
Frankenthal 3-5	4740430
Dragone 24	4904042
Alferness 28-5-33-35-31	5009477
Cimini 4-5-12	5023947
Hakki 14	6011253
Hansen 11	6034799
	4275308
	4291323
	4295226
	4303831
	4318752
Johnson 26	4321282
Joyal 1-5	4321568
	4323911
Howard 7-6	4326911
	4334200
	4340967
Dutt 2-7-6	4343674
Coldren 14-	4354898
	4359260
	4359773
Silfvast 14-11	4369514
	4372643
Lee 7	4374390
Alferness 10-36	4376138
Kaminow 34-15	4376946
Damen 8-21-11	4378599
	4380364
Buhl 2	4381138
Alferness 5	4381139
Capasso 3	4383269
Alferness 6	4384760
Silfvast 15-4-12	4388720
Alferness 7	4390236
Capasso 2-1-36	4390889
	4391901
	4394061
ElHamamsy 9	4395637
Damen 7-20	4395769
Silfvast 17-5-14	4395770
Donnelly 6-8-1	4397711
Kaminow 33	4400813
Fork 8-1-13	4400814
DeLoach 16	4403139
Bjorkholm 15-1-27-24	4410239
Burton 3-18-12	4415414

Case Name	Patent Number
Muoi 2	4415803
Baron 1-2-4	08/991919
Bergmann 38	09/036652
Gray 1	09/050260
Freund 10-13-10	09/135420
Bylsma 5-15-6	09/138527
Cockerham 1-2-1-1-1	09/164724
Potteiger 7-1-3	09/173283
Potteiger 6-2	09/173318
Bergmann 46	09/175503
Coult 9-17-5-1-1	09/182722
Andersen 1-53-14	09/201454
Bergmann 59-18-8	09/218183
Allen 1-2-8-3	09/226826
Allen 2-3-4	09/226827
Plourde 14-32-12	09/227925
Joyce 15	09/236720
Joyce 16	09/261530
Dautartas 44-25-28-25	09/225269
Chakrabarti 20-11	09/286968
Keska 3-3-30	09/293299
Boyd 2-5-1-4	09/311629
Ma 27-2-7	09/315694
Bylsma 10-8-4-8	09/328956
Boyd 3-6-8-5-3-1	09/335770
Boyd 6-3-2-7	09/338136
Fang 1-9-1-3	09/348569
Gulko 1-6-9-3	09/350190
Bock 3-1-5-7	09/351194
Boyd 8-9-2	09/363163
Jameson 13	09/366803
Flynn 4-3	09/371364
Granlund 2-14	09/379477
Boyd 4-11-2-1-2-6	09/385291
Fox 3	09/388169
Boyd 5-2-12	09/391839
Andersen 3-68	09/393202
Huang 17	09/393203
Bond 3-58-63	09/394634
Boyd 7-3-4-8	09/394979
Fang 3-11-10-5	09/394983
Eng 5-49-56-47-3	09/395934
Potteiger 13-5	09/401434
Bond 2-62-54	09/417663
Glew 4-4-5-2	09/427491
Ahmed 1-1-1-1	09/427878
Flynn 9	09/428030
Reffle 1-9-2	09/435793
Hakki 19	09/436766
Jameson 12	09/450764

Draft Amendment 05-30-02

Case Name	Patent Number
Bitner 1-3-3-22	09/455136
Greenberg 10	09/461479
Heffner 8-11	09/461947
Onat 2	09/473879
Daugherty 4-1-6-3-5	09/474162
Coult 15-32-3-2-1	09/478149
Gaebe 15-15	09/479143
Gruezkke 1-7-6	09/489063
Flynn 6-6-37-6	09/505787
Derkits 30	09/517017