

9/15/03 RECOR

09-17-2003



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents:

original documents or copy thereof.

1. Name of conveying party(ies):

AT&T Corp.

OFFICE OF PUBLIC RECORDS

2003 SEP 15 AM 9:53

FINANCE SECTION

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s): March 29, 1996

102553681

of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address: _____

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/470454

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Administrator

Internal Address: Room 3J-219

Street Address: 101 Crawfords Corner Road

City: Holmdel State: NJ ZIP: 07733-3030

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory J. Murgia

Name of Person Signing

Gregory J. Murgia
Signature

9/10/03

Date

Total number of pages including cover sheet, attachments, and document: _____

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the US Patent and Trademark Office

PO Box 1450

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09/16/2003 6TON11 00000201 122325 09470454

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Case Name/No.: Mitra 10-24

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, PO Box 1450, Alexandria, VA 22313-1450, on 9/10/03.

Maria J. ...
Signature

PATENT ASSIGNMENT

WHEREAS, AT&T CORP., a corporation created under the laws of the State of New York (hereinafter ASSIGNOR), having an office at 32 Avenue of the Americas, New York, New York, 10013, U.S.A., presently owns or controls TRANSFERRED PATENTS (after giving effect to the assignment referred to in the definition of TRANSFERRED PATENTS); and

WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its shareholders to separate ASSIGNOR's existing businesses into three independent businesses; and

WHEREAS, as part of the foregoing, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in LUCENT TECHNOLOGIES INC., a corporation created under the laws of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974, U.S.A. (hereinafter ASSIGNEE).

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, effective March 29, 1996 (immediately after the effectiveness of the assignment by NCR CORPORATION referred to in the definition of TRANSFERRED PATENTS), ASSIGNOR by these presents does, subject to existing rights and licenses of third parties, hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to ASSIGNEE, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver.

ASSIGNOR agrees that, upon request it will, at any time without charge to ASSIGNEE but at ASSIGNEE's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in ASSIGNEE, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining said patents in any and all countries and for vesting title thereto in ASSIGNEE, its successors, assigns and legal representatives or nominees.

**AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS**

(Final Version)

As used herein "TRANSFERRED PATENTS" means all patents and filed patent applications owned or controlled by ASSIGNOR as of the date hereof (which are, for example, in the name among others of AT&T Corp., AT&T Information Systems, AT&T Bell Laboratories and American Telephone and Telegraph Company, including certain patents previously assigned to ASSIGNOR by NCR CORPORATION under a separate Patent Assignment) except for the following:

- (i) all patents and patent applications listed in Appendix "A" hereof, which will be retained by ASSIGNOR; those patents and patent applications listed in Appendix "B" hereof, which ASSIGNOR is assigning to its Subsidiary, NCR CORPORATION, a Maryland corporation, by an equivalent Assignment executed as of this date; and those patents listed in Appendix "C" hereof, in which ASSIGNOR is assigning an undivided, one-half (1/2) interest to ASSIGNEE by a separate Assignment executed as of this date; and
- (ii) all patents and patent applications owned or controlled by AT&T WIRELESS SERVICES, INC., a Delaware corporation, and by its Subsidiaries; and
- (iii) all patents and patent applications owned and controlled by NCR CORPORATION and by its Subsidiaries; and
- (iv) all patents and patent applications owned or controlled by ASSIGNEE's Subsidiaries (it being understood that by its assumption of ownership or control of such Subsidiaries, ASSIGNEE has acquired or will acquire an interest in such patents and applications independent of this Assignment).

Appendix "D" hereof represents ASSIGNOR's and ASSIGNEE's joint view of those patents and patent applications included in the definition of TRANSFERRED PATENTS. In case of conflict between such definition and Appendix "D", the definition shall control; and if requested, ASSIGNOR will execute a writing identifying corrections in Appendix "D".

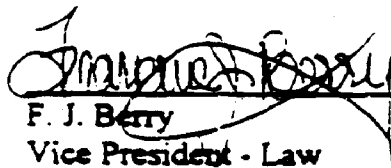
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PATENT
REEL: 014490 FRAME: 0205

29 Signed for AT&T CORP. at Basking Ridge New Jersey, this
day of March, 1996


F. J. Berry
Vice President - Law
AT&T CORP.

Secretary

Accepted for LUCENT TECHNOLOGIES INC. at Lucent Corp New Jersey, this
29 day of March, 1996.


M. R. Greene
Vice President - Law
LUCENT TECHNOLOGIES INC.

Secretary

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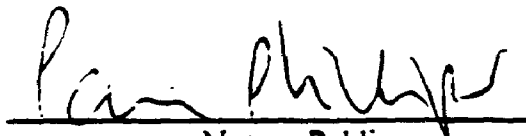
(Final Version)

PATENT
REEL: 014490 FRAME: 0206

State of New Jersey)

County of Somerset) ss:

On the 29 day of March, 1996, before me came F. J. Berry, to me known, who, being by me duly sworn, did depose and says that she is Vice President - Law of AT&T CORP., the corporation described in and which executed the foregoing instrument; that she knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the board of directors of said corporation and that she signed her name thereto by like authority.


Notary Public

PAULA PHILLIPS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Sept. 19, 1999

State of New Jersey)

County of Somerset) ss:

On the 29 day of March, 1996, before me came M. R. Greene, to me known, who, being duly sworn, did depose and says that he is Vice President - Law of LUCENT TECHNOLOGIES INC., the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of the board of directors of said corporation and that he signed his name thereto by like authority.


Notary Public

PAULA PHILLIPS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Sept. 19, 1999

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PATENT
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APPENDIX "A"
LIST OF RETAINED AT&T's PATENTS
AND PATENT APPLICATIONS

Hanson 2-3	mailed 1/25/96
Ball 3-5-2-3	mailed 2/23/96
Arora 1-1-7	mailed 3/19/96
Bruno 10-11-10-8-38	mailed 3/13/96
Brotman 1-2-1	mailed 12/29/95
Jones 3	mailed 12/29/95
Jones 4	mailed 12/29/95
Jones 5	mailed 12/29/95
Atal 9Re	Re32580
Friedes 9-3 (DROPPED)	IDS103523
Bergano 14 (Mail 12/29/95)	filed
Evangelides 2-2-1-4-7 (Mail 11/27/95)	filed
Shusky 4	07/969679
Harris 3-4	07/966787
Clincherow 1	07/936709
Black 1-3-3-1-1-1-1-1-1-1-1	07/953040
Hou 3-3	07/935082
Bauer 4 (Eric)	07/932151
Friedes 6 (ABANDONED)	07/905056
Fodale 1 (US ABANDONED)	06/771557
Carlson 1-2-1	07/843685
Darcie 23-8-13	08/613307
Fuentes 10	08/608232
Robin 6-4-1	08/606256
Eslambochi 7	08/606122
Foladare 31-33-40-39	08/600690
Relyea 3-2	08/596791
Joseph 1-1-1-10	08/594552
Amin 1-1	08/592945
Lee 13	08/592814
Blahut 41-4-11-16	08/592783
Foladare 26-26-33-33	08/590237
Grampp 1-6	08/587868
Ricciardi 1-1	08/587079
Raguram 2-3-2	08/587062
Jones 2	08/586021
Sabni 12-1	08/586009
Papamicolaou 3-3Re	08/585338
Gaulke 3-4-3	08/584417
Gaulke 2-3-2	08/584416
August 7	08/583144
Penzias 17	08/582006
Maxemchuk 18	08/581717
Foladare 30-32-39-37	08/581710
August 8-18	08/581707
Benveniste 9	08/581694

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PATENT
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Mayer 10	08/581693
Otto 1	08/581683
Cox 1	08/581651
Lubachevsky 6	08/581078
Feiertag 3	08/580909
Brotman 2-2	08/580702
Foladare 17-23-1	08/580679
Silverman 32	08/580671
Benveniste 7	08/580570
Benveniste 8	08/580568
Chaturvedi 1-10	08/580478
Wild 5	08/579709
Foladare 19-20-25-29	08/579540
Foladare 11-13-17-19	08/579539
Foladare 18-19-24-28	08/579188
Foladare 13-15-19-21	08/579184
Goldman 31-2-37-4-2	08/579173
Furman 6-9-7	08/578362
Jain 3-13	08/577892
Martinez 1	08/577891
Garberg 2-3	08/576740
Cirelli 1-1	08/576733
Aykin 2-5-2-4-4-3-3	08/576430
Lubachevsky 5	08/576388
Foladare 28-28-35	08/576387
Clancy 1-3-11-4-7-1	08/575789
Rahim 2	08/575378
Hill 1	08/574476
Concepcion 1-3-1-2-4-3-2-3	08/574419
Foladare 24-29-36-35	08/573839
Allen 16	08/573743
DeMont 1	08/573046
Chen 10-14	08/572982
Dalton 1-1-1-1	08/572826
Krishnamurthy 5	08/571322
Swanson 5	08/570879
Bossi 3-2-2	08/570146
Bossi 2-1-1	08/570145
Benedikt 2-3-2	08/569046
Norris 1-8	08/562678
Jankowitz 1-2-3-1	08/562229
Furman 5-9-6-2	08/560147
Furman 4-8-5-1	08/559900
Dagdeviren 11-1-3-3	08/556726
Kasday 12-1-1-2-6	08/555555
Mishra 3	08/555534
Gupta 6	08/554957
Cathey 1-1-1-1-1	08/553117
Milito 4	08/552899
Ball 2-1	08/549359
Bruno 9-7-10-8-7-1-1	08/547216
Story 9	08/542482

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PATENT
REEL: 014490 FRAME: 0209

Atkins 3	08/539384
Rosenthal 4-30-1	08/538679
Foladare 22-23-28	08/538331
Backaus 4-3-8-4-3-8-3	08/538109
Hall 2-3-3-2-2	08/536914
Bulfer 4	08/536296
Eslambolchi 6-1	08/534750
Busche 1	08/534151
Aykin 1-4-1-3-3-2-2	08/533045
Ronen 2	08/532336
Penzias 16-13	08/531508
Glance 37	08/530551
Javitz 2	08/529704
Zave 1	08/528900
Buhrke 3-6-4	08/528821
Gorin 6-1-1-18	08/528578
Foladare 20	08/528292
Mumick 5-8	08/527241
Buck 1-1	08/527117
Cross 1-1-1-3-1-1	08/526794
Cross 1-1-1-3-1-1	08/526794
Bodeep 5	08/526736
Benedikt 1-2-1	08/526609
Jagdish 13-4-7	08/525931
Bruno 8-5-6-6-9-2-6-6-7	08/525440
Bruno	08/524551
Foladare 23-24-10-29-5-31	08/524360
Foladare 21-22-27-30	08/520425
Baker 6-4	08/519268
Feldman 2-2-2	08/515471
Greenspan 8	08/512609
Civanlar 5-5	08/511430
Ehrlich 2-2	08/511034
Civanlar 3-3	08/509308
Civanlar 6-6	08/509307
Gillon 5-3-3	08/509004
Foladare 16-18-22	08/508373
Byrd 1-1-1	08/508143
Bruno 6-7-24	08/507868
Buhler 1-1-1	08/505507
Gitlin 38-11	08/504481
Akinpelu 5-6-5	08/503254
Weber 26	08/502783
Mayer 7-9	08/502268
Kochanski 24	08/499077
Foladare 9-11-15	08/497060
Jaczak 1-1	08/497040
Eslambolchi 5	08/496786
Bruno 5-6-5-6-5-7-5-23	08/495747
Mayer 5	08/494610
Foladare 15-17-9-21-4-25	08/487357
August 6	08/479541

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PATENT
REEL: 014490 FRAME: 0210

Eisdorfer 7-9-5	08/476811
Partridge 16	08/460398
Blonder 76-6-2-3	08/455939
Wynn 5	08/455932
Faust 1	08/451298
Faust 2	08/451248
Cerciello 1-1-1	08/449984
Carlson 7-8-4	08/449377
Carlson 8	08/447670
Civanlar 2-2	08/447666
Allen 14	08/443509
Carlson 6-7-3	08/442943
Bhusri 2	08/442529
Hodges 2-3	08/440183
Alesio 5-17-3-11	08/439615
DeJager 2	08/431607
Foladare 10-12-68-16-22	08/431351
Foladare 14-16-20	08/431228
Eslambolchi 4	08/430652
Chu 4	08/430643
Chu 5	08/430634
Miska 4-5	08/424825
Mark 1	08/421709
Funkhouser 1	08/418338
Corrigan 1-9-4-3	08/414848
Burns 1-7-1-2-6-1	08/414555
Akinpelu 4-5-4-2-2-2-7-4-2	08/410585
Farber 1-6-2-1-1	08/409579
Eisdorfer 3-8-1	08/408429
Ash 9-2-1-1-10-1-2	08/407171
Civanlar 10-42	08/402664
Chang 1-1-1	08/402235
Bruno 3-2-2-4-1	08/401315
Bruno 4-3-3-5	08/401314
Velardo 1-4	08/398272
Kapsales 7-7	08/395009
Kapsales 6	08/391803
Faynberg 1	08/385013
Foladare 8-10-6-14-8	08/385004
Foladare 2-13-13-17	08/379425
Creswell 3-5-2-3	08/376501
Foladare 3-14-8-13	08/374430
Schlanger 7	08/367386
Markowitz 3	08/365611
Carr 1-6	08/364650
Mayer 4	08/364563
Rudrapatna 2-2-20-15-20	08/361355
Chen 1-4-4-2-1-4-4-4	08/357473
Bergano 12-1	08/355798
Bergano 13-2	08/355788
Fernandez 1-1-15	08/355384
Barber 1-1-1-1	08/355382

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PATENT
REEL: 014490 FRAME: 0211

Blaze 2	08/351918
Glance 38 (ABANDONED)	08/350864
Eisdorfer 2-5-7-9-4-11	08/346655
Eisdorfer 1-4	08/346654
Chakrin 3	08/344394
Kapsales 4	08/344307
Kapsales 5	08/344306
Cannon 8	08/333908
Buczny 1-1-2	08/333668
August 5-10	08/333183
Blyler 38	08/332227
Baeche 1-3-1-1-4-2	08/332225
Kocan 2-2-1-1	08/330418
Freedman 1	08/324942
Akinpelu 3-3-3-1-1-1-6-3-1	08/324825
Gorham 1-3-4-3	08/324642
Mollenauer 28	08/323949
Chanda 2-1-2	08/323303
Paukus 2-2-1	08/323294
Basu 1-2-3-1	08/323197
Foladare 6-7-1-1-8-3-16	08/316613
Bergano 11	08/312848
Allen 10-1	08/311647
Charalambous 2-2-3	08/309361
Leung 2	08/305003
Asthana 4-3	08/293857
Foladare 5-15-6-3-7-3-15	08/282697
Bass 1-1-1-1-8-1-1	08/282450
Kravitz 3-4-2	08/279764
Foladare 4-5-2-6-2-14	08/264651
D'Ambrogio 3-2-4-4-5	08/261626
Andruska 2-4	08/258197
Gordon 8-1-2	08/251827
Blahut 35-2-6-8	08/236286
Vasquez 2	08/234731
Gittin 34-12-21-5	08/234197
Bruno 1-1	08/215069
Salimando 4	08/214341
Akinpelu 2-2-2 (ABANDONED)	08/203102
Katzeff 2-3	08/201863
Amaram 2-1-4-4-1-2-1-1	08/176006
Feiertag 1-2-1	08/176005
Feiertag 2-5-1-1-2	08/176002
Wert 1	08/175092
Merritt 1-1	08/175022
Gabin 1-6	08/175021
Bish 1-1-3-1-1	08/172374
Garland 1-1	08/171311
Darcie 1	08/170624
Friedes 11-7-1	08/167596
Kenney 1	08/166496
Holerman 1	08/166413

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PATENT
REEL: 014490 FRAME: 0212

La Porta 4-4	08/164521
Wynn 2	08/160770
Rubin 1	08/156557
Hall 1-1-2-1-1	08/155614
Rangachar 1	08/152993
Kapsales 3	08/144061
Raguram 1-1-1	08/140780
Gibilisco 2	08/115366
Chandra 1-1-1-2-1-1-10-6	08/092970
Partridge 3	08/086956
Ehrlich 3-3	08/085225
Kochanski 7 (ABANDONED)	08/071133
Blahut 33-6	08/056973
Ahuja 7-2-3-1-1-1-7	08/051724
Relyea 2-1	08/040785
Penzias 6-2-2	08/006333
Das 1-1	3/19/96
Hill 2-4	3/15/96
Heifman 6	60/011435
Franklin 1-1	60/010993
August 9-8	60/009363
Baker 7	60/004670
Ahamed 11-11	08/000421
Mondello	4156104
Mearns 1	4162377
Weber 1	4191860
Jordan 1-2	4313035
Ash 1-1	4345116
Asmuth 1	4348554
Glance 7-9	4383332
Pecon	4388710
Boivie 1	4453217
Wehr	4470115
Johnson	4530051
Anctil	4538881
Pike 1	4555775
Decker	4557556
Everhart 3-1	4578531
Anderson	4586186
Lee 1-1	4599373
Asmuth 3-1-1-1-1-1	4611094
Asmuth 4	4611096
Fornmot	4616359
Anderson	4633464
Hayden	4653090
Ash 2-2	4669113
Gordon	4700339
Frauenthal 1-1-1-3	4737983
Fodale 2	4756020
Gordon, et al	4763191
Day 1	4763356
Bauer 1-1-1-1	4776004

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**PATENT
REEL: 014490 FRAME: 0213**

McNabb 1-1	4722718
Else 2-2	4811378
Binkard et al 3-1-3-4	4827500
Adl	4834479
Franco 1	4893330
Bauer 1 (Eric)	4899377
Johannes	4914655
Kordahi	4914960
Gillon 3-2-4	4922348
Scanlon 3	4922522
Bauer 3-2-1-3-1	4930154
Baral 3-1-1-7-7-1-6-1-3-1	4932042
Brown 4-2-1-2-2-8-2-2-5-5	4939771
Shepard 2	4953203
Bhusri 1	4959849
Daudelin 5	4959855
Brown 3-1-1-1-7-1-4-2	4972461
Kordahi	5000619
Benyacar 1-1-2-1-1-1-1-1-1-1	5003584
Caron 3-1-5-2-3-2-1-1-2	5018191
Chang	5027110
Caron 2-4-1-2-1-1	5033079
Mollenauer	5035481
Mollenauer	5039199
Bauer 4-3-2-4-2	5056134
Mansour 1-1	5058105
Mollenauer	5058974
Marcuse	5063559
Farel 1-1	5067074
Ash 5-2-1	5086460
Ash 6-3-7-1	5101451
Bergano	5111322
Desurvire	5117303
Ash 7-2	5130982
Wegrzynowicz 1	5136636
Kaplan 1	5163087
Brown 5	5164983
Bergano	5173957
Dowden 5-5-8-2-3-6-4-3-3	5181237
Medamanna 1-1-4	5181238
Askew 1-1-1-4-1-2-4-2-2-1	5182744
Sahni 3	5184345
Chan 4-2-2-2-2-1	5187710
Rosenberg	5191631
Bowker, et al 3-1-1	5195132
Gupta 1-1-1	5206899
Bowker 4	5206902
Pula 1	5208848
Ramkumar 1	5212727
Creswell 1-1-1-1-1-1-1-1-1	5222125
Flynn 1-1	5223699
Funk	5226075

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PATENT
REEL: 014490 FRAME: 0214

Bissell 1-1	5243645
Heizer	5249290
Frey 9-22	5253282
Blake 1-1	5270919
McNair 4	5276444
Papanicolaou 3-3	5278889
Dabbaghi 2-2-8-2-5-2-2-3-8-6	5282243
Shaw 1	5283824
Zoccolillo 4	5287199
Atkins 1-2-3-2	5287403
Kasday 5-1 (Vasile)	5289523
Levy 2-3	5291550
Conn 2-3-2-2	5291551
Bergano	5309530
Bergano	5309535
Friedas 4-2	5311572
Friedas 7-1-7-1	5311583
Penzas 8	5311594
Hou 1-1-1	5325421
Binns 1-2-2-2-2-2	5329308
Friedas 5-1-4-5	5329581
Fraser 17-5-11	5329589
Brown 6-5-4-4-10-4-7-5	5333180
Doherty 1-1-1	5333184
Gupta 2	5333186
Bowker, et al 5-2-2	5333195
Ananthampilai 2	5333308
Cole	5335224
Anderson	5343320
Bergano	5345331
D'Urso 1-1-1-1-1	5353335
Hou 2-2	5353336
Scobee 1	5353339
Gordon	5357364
Gupta 2-1-6	5357564
Gnauck	5365362
Chakravarti 1-1-1-1-1-1-1	5369695
Campbell 1-1-1-1-3	5373550
D'Ambrogio 1-1-1-2-2	5375124
Rosinski 1-2	5381467
Crawell 2-2-1-2	5384831
Ahmad 1	5386467
Bauer 7 (Eric)	5388257
Freeman 2-1-3-1	5390232
Casselman 2-2-2	5390243
Chang 1-3-13-2	5392336
Rosenthal 3	5392342
Davitt	5392343
Ash 8-4-8-3	5392344
Otto 6	5392345
Fischell 1-1-2-1-5	5394463
Alger	5396542

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PATENT
REEL: 014490 FRAME: 0215

Entenmann 2-2-8-2-5-2-2-3-8-6	5403999
Pei 1	5406620
McFarland 1-1	5408526
Roche 1-4	5410538
Bauer 5 (Eric)	5412808
Lee 5	5416835
Seshadri 19-11-3	5420851
Guzman 1	5420917
Low 2-16-2	5420926
Freeman 6-2-2-3	5428608
Brady 1-1	5430782
Feiz 1-1-1-3-3-4	5430791
Burd 2-2-1-2-4-1-4	5432845
Fraser 16	5434914
Cox 7-4	5434920
Isidoro 3-9	5440563
Shusky 3	5440620
Bergano	5440659
Gitlin 33-9	5442625
Blahut 30-2	5446490
Smith 2	5450123
Amarant 3-2-3-2	5450477
Alesio 1-10-2-3	5450479
Leung 3	5457408
Messina	5462389
Bash 1-1-1-1	5463677
Collins 2-1-1	5463683
Gaschler 3-11-4	5463685
Chen	5463711
Chiller 1-1-1	5465293
Furman 3	5465295
Mukherjee 1	5465387
Brown 2-2-4-2-2-3	5471877
Mamyshev 3-32	5473458
Hansen 5-19	5473625
Partridge 6	5473671
Partridge 2	5473671
D'Amato 1-2-1-1-2-4	5473677
La Porta 3-3	5473679
Miller 6-5	5475746
Alcinpele 1-1-1	5475749
Eskildsen 1-6	5477368
Alesio 4	5481600
Griffiths 1-1-2-1	5481602
Gutierrez 1-1-2-5	5481603
Colbert 5	5485510
Allen 8-1	5485515
Atkins 2-4-6-4	5487107
Slusky 6	5487111
Kaplan 4-1-1	5488569
Iyob 1-2-1-3-2-2	5488632
Bergano 10	5491576

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PATENT
REEL: 014490 FRAME: 0216

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**PATENT
REEL: 014490 FRAME: 0217**

APPENDIX "B"

LIST OF AT&T's PATENTS TO BE SEPARATELY TRANSFERRED BY AT&T TO NCR

Name of First Inventor	Patent Number
Rinchie	4135240
Pirz	4149242
Freeman	4195338
Gabbe	4255796
Christian	4279020
Abuja	4281381
Draper	4295219
Abuja	4384323
Brown	4430526
Gabbe	4459658
York	4462077
Forsen	4481577
Abuja	4514728
Durkee	4516140
Durkee	4538156
DeBruler	4539637
Alles	4542375
Reddington	4554631
Linderman	4611280
Keverian	4613987
Bednar	4630196
Teng	4642758
Eng	4652733
Aranguren	4674085
Grinn	4675808
Zave	4685125
MacDonald	4697175
Goldstein	4698752
Jacobs	4704675
DiPiazza	4707689
Kasday	4710760
Auer	4725694
Chang	4725834
Wagner	4733823
Afchar	4734854
Welsch	4744023
Blanset	4744048
Blanset	4747040

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PATENT
REEL: 014490 FRAME: 0218

Kumari	4774661
Restrepo	4779088
Geis	4787759
Bogatin	4816811
Agrawal	4825354
Bishop	4849877
Taska	4856091
Beck	4893270
Lubachevsky	4901260
Bishop	4914653
Agrawal	4930072
Hopfield	4937872
Huang	4943909
Gansner	4953106
Clarwy	4975829
Mosherberg	5020003
Chou	5020112
Thompson	5020123
Krishnakumar	5067104
Denker	5067164
Setzer	5075843
Bishop	5093913
Kiang	5101439
Laggis	5109515
Fan	5111512
Bishop	5115505
Holzmann	5129013
Piepho	5179707
Black	5184115
Civanlar	5187660
Kautz	5259067
McNair	5278905
Huh	5396612
Evans 25-5-17-3	
Thomas 9	
Thomas 10	
IDS 110434	
Evans 21-27-3	
LeCun 14	
Denker 21-1	
Evans 15-1-1	
Borgida 2-2-1-2-2	
Graf 15-6	
Nohl 2-3	

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**PATENT
REEL: 014490 FRAME: 0219**

APPENDIX "C"

List of patents and patent applications to be jointly owned by AT&T and LUCENT
subject to Joint Ownership Agreement.

Case Name	U.S. Patent or Serial No.
1. Class 6	08/346056
2. Civerlar 4-4	08/494121
3. Ponzias 15	08/431732
4. Baldwin 1-1	08/425968
5. Class 4-16-3-1	08/372797
6. Blane 1	08/366084
7. Mandelbaum 3-7	08/206710
8. Acampora 6	4232266
9. Acampora 9	4309764
10. Acampora 11	4381562
11. Acampora 12-20-15	4425639
12. Acampora 18-21	4438476
13. Acampora 24	4726048
14. An 1-1-1-1	4726056
15. Andari 1-1-1	4816653
16. Andari 3-3-3	4816654
17. Cohen 1-1-1-1-1	4837798
18. Andari 4-4-4	4882474
19. Mahmood 1	4882743
20. Braden 1	5140694
21. McNair 7	5206906
22. Mira 2-1	5426633
23. Maher 4	5450493
24. Class 3	5461217

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APPENDIX "D"

LIST OF PATENTS AND PATENT APPLICATIONS TRANSFERRED BY AT&T TO LUCENT

05/646064	05/712394	05/787848	05/853796	05/910190	05/972022
05/648288	05/714525	05/788569	05/858389	05/911099	05/972023
05/650618	05/717987	05/793279	05/860339	05/912467	05/972024
05/651557	05/719259	05/793861	05/861838	05/913430	05/972025
05/653215	05/720978	05/795349	05/862253	05/913430	05/972056
05/655360	05/721032	05/796074	05/863466	05/917132	05/972057
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05/655524	05/727056	05/798350	05/865569	05/918404	05/973710
05/656790	05/729682	05/800631	05/866365	05/918404	05/974376
05/658586	05/732344	05/802824	05/869385	05/919759	06/001065
05/658702	05/732364	05/805300	05/871477	05/924138	06/001303
05/659943	05/732755	05/806324	05/872173	05/926769	06/001304
05/660324	05/741639	05/806364	05/873283	05/928930	06/001379
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05/670162	05/748485	05/809030	05/878968	05/929705	06/002741
05/671565	05/749396	05/809211	05/882023	05/931159	06/010306
05/672767	05/750793	05/810457	05/885385	05/934815	06/010731
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05/683589	05/761806	05/821567	05/891293	05/939248	06/027613
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05/684974	05/764755	05/830597	05/893794	05/943162	06/034570
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05/686460	05/765547	05/832888	05/899578	05/947021	06/044073
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05/688593	05/767819	05/840161	05/901667	05/964193	06/049264
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05/702630	05/769961	05/846463	05/903123	05/967174	06/055673
05/705197	05/770244	05/847213	05/903124	05/967548	06/058297
05/706655	05/775431	05/848000	05/903347	05/967549	06/058791
05/710358	05/776656	05/848621	05/916030	05/967806	06/060568
05/710358	05/776787	05/848621	05/907874	05/969220	06/061941
05/710514	05/780354	05/850775	05/908591	05/970945	06/062422
05/711285	05/780976	05/851156	05/909128	05/971886	06/063614
05/712392	05/782349	05/853123	05/909948	05/972021	06/064258

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PATENT
REEL: 014490 FRAME: 0221

06/065138	06/117820	06/177776	06/232739	06/275903	06/331584
06/066305	06/119103	06/178032	06/232958	06/276851	06/331731
06/067081	06/119313	06/178321	06/233107	06/276876	06/332932
06/068298	06/120058	06/179594	06/234250	06/276926	06/333432
06/069277	06/120059	06/181283	06/234354	06/276933	06/336339
06/069278	06/120437	06/181520	06/234684	06/277411	06/337052
06/071408	06/120689	06/182433	06/234710	06/279063	06/337055
06/073039	06/123691	06/182730	06/234419	06/284499	06/337707
06/073066	06/129564	06/183696	06/236173	06/285821	06/338721
06/073067	06/129985	06/186402	06/237182	06/281654	06/338871
06/073689	06/131916	06/186901	06/237536	06/288688	06/341439
06/077220	06/132909	06/190085	06/239151	06/292439	06/342301
06/079064	06/133617	06/191493	06/241050	06/295650	06/342990
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06/094010	06/141121	06/198294	06/248192	06/301811	06/347094
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06/098979	06/149191	06/203356	06/248568	06/304174	06/348745
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06/100923	06/154046	06/207750	06/253456	06/310609	06/350296
06/101415	06/155234	06/208338	06/257671	06/310610	06/351656
06/103274	06/156029	06/210013	06/257673	06/310611	06/352238
06/104159	06/156187	06/210731	06/257661	06/310760	06/352330
06/104365	06/158053	06/214348	06/257661	06/314352	06/352518
06/107771	06/159167	06/217562	06/261037	06/314353	06/352519
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06/107774	06/161006	06/220011	06/263127	06/324254	06/354507
06/107775	06/161496	06/220797	06/263369	06/324755	06/357053
06/107777	06/163787	06/221577	06/263370	06/324756	06/357292
06/107780	06/163958	06/222451	06/265713	06/326029	06/357772
06/107900	06/164160	06/222719	06/266433	06/327501	06/359880
06/111907	06/166851	06/222792	06/266610	06/327591	06/359988
06/113300	06/167956	06/223332	06/269265	06/328150	06/359990
06/114043	06/168708	06/227873	06/306216	06/328385	06/361320
06/116540	06/176901	06/228465	06/270267	06/329867	06/363093
06/116759	06/177095	06/231238	06/272496	06/330011	06/363491
06/117164	06/177096	06/232720	06/274833	06/330258	06/365620

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PATENT
REEL: 014490 FRAME: 0222

06/366261	06/399183	06/436347	06/457289	06/492434	06/525146
06/367091	06/399486	06/436681	06/457600	06/493725	06/527549
06/367561	06/401610	06/437471	06/457982	06/493997	06/527890
06/368567	06/402923	06/437796	06/459477	06/494064	06/528529
06/369605	06/403093	06/437814	06/460401	06/494101	06/529222
06/369874	06/403133	06/438267	06/460406	06/495064	06/530259
06/370785	06/408089	06/439389	06/460495	06/495067	06/531354
06/371055	06/406283	06/441537	06/461704	06/496163	06/532604
06/371661	06/408005	06/441732	06/462065	06/496199	06/532775
06/373134	06/408007	06/441733	06/464383	06/497468	06/532776
06/373191	06/408008	06/443485	06/466293	06/498872	06/533116
06/373196	06/408218	06/452462	06/467274	06/497849	06/533457
06/374311	06/410430	06/444237	06/468947	06/498906	06/533457
06/374400	06/410452	06/444238	06/469410	06/500239	06/535362
06/376177	06/411305	06/444269	06/469483	06/502196	06/535808
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06/376547	06/413158	06/445906	06/469799	06/504672	06/539505
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06/382263	06/415376	06/448354	06/475468	06/509311	06/540623
06/382370	06/416229	06/448559	06/477528	06/520689	06/540624
06/382401	06/416494	06/448638	06/478264	06/511641	06/544215
06/383578	06/419422	06/448646	06/479062	06/511641	06/545945
06/383779	06/419423	06/448783	06/481039	06/511873	06/546213
06/383794	06/419643	06/448739	06/481996	06/512911	06/547285
06/383820	06/422673	06/450573	06/482963	06/514302	06/549160
06/385556	06/423667	06/450655	06/483513	06/514536	06/549160
06/385558	06/425834	06/451786	06/483923		06/549971
06/387010	06/426293	06/451787	06/484240	06/516756	06/550063
06/388026	06/429290	06/451789	06/484231	06/517755	06/550765
06/389777	06/433382	06/452154	06/484465	06/518455	06/552610
06/389778	06/433449	06/452235	06/484595	06/518582	06/552610
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06/389952	06/434522	06/452682	06/486370	06/518683	06/554793
06/391119	06/434524	06/453591	06/488314	06/518854	06/555167
06/388027	06/434535	06/453745	06/488406	06/519079	06/556138
06/393403	06/434585	06/452637	06/488537	06/519494	06/556763
06/394888	06/434618	06/455462	06/490073	06/521455	06/557663
06/395358	06/435071	06/455670	06/490328	06/521976	06/557663
06/399179	06/435702	06/455916	06/490485	06/522487	06/557663

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PATENT
REEL: 014490 FRAME: 0223

06/558670	06/585886	06/627278	06/653339	06/678918	06/714683
06/558995	06/586241	06/628034	06/653879	06/678918	06/714888
06/559733	06/586399	06/628036	06/654593	06/679385	06/715046
06/550759	06/588302	06/628151	06/654593	06/680002	06/715279
06/560557	06/206280	06/628597	06/654925	06/680167	06/716357
06/561303	06/353049	06/628898	06/654888	06/680172	
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06/562780	06/594117	06/629950	06/655767	06/681310	06/717649
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06/566920	06/610095	06/639945	06/661614	07/55718	06/728465
06/567085	06/611129	06/641025	06/661776	06/690417	06/729915
06/567222	06/613421	06/641849	06/661779	06/690825	06/730372
06/573141	06/614624	06/642327	06/661967	06/693370	06/730674
06/574190	06/616844	06/643156	06/662035	06/693383	06/731100
06/575502	06/616915	06/643479	06/663823	06/693608	06/732887
06/576439	06/617145	06/643956	06/665503	06/694344	06/733358
06/576766	06/618074	06/643957	06/665970	06/694514	06/735289
06/576782	06/618804	06/644459	06/665988	06/695806	06/735779
06/581260	06/618872	06/644569	06/666200	06/697055	06/735851
06/578302	06/619266	06/645829	06/669469	06/699491	06/735998
06/578781	06/619704	06/646707	06/669957	06/699491	06/737257
06/579455	06/621081	06/646707	06/670001	06/700391	06/737258
06/579455	06/621083	06/646708	06/670272	06/700196	06/737259
06/580232	06/621143	06/646500	06/670982	06/702437	06/737732
06/581258	06/623247	06/647273	06/671039	06/702857	06/737953
06/581326	06/623280	06/648640	06/671972	06/703427	06/738503
06/582003	06/623835	06/647561	06/671972	06/703761	06/738625
06/582286	06/623958	06/650202	06/675305	06/704658	06/741026
06/582966	06/625274	06/650202	06/676113	06/705197	06/740556
06/583171	06/626229	06/650988	06/676537	06/706358	06/743268
06/584100	06/626430	06/651213	06/677532	06/708410	06/743268
06/584162	06/626399	06/6538226	06/677681	06/473857	07/45278
06/583492	06/627177	06/652387	06/677338	06/712246	06/743667
06/585833	06/627237	06/653440	06/678116	06/714524	06/745278

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0224

06/745398	06/781795	06/822455	06/861611	06/901959	06/935163
06/748408	06/782014	06/823986	06/861119	06/902272	06/936998
06/749138	06/781895	06/825709	06/861388	06/903883	06/939723
06/749921	06/785546	07/39327	06/863094	06/904515	06/940186
06/750084	06/786844	06/827491	06/864199	06/906488	06/940463
06/751711	06/787764	06/827661	06/863974	06/907202	06/941489
06/751475	06/788061	06/827405	06/864025	06/907287	06/941491
06/751566	06/788259	07/39325	06/867887	06/907654	06/941490
06/751993	06/788322	06/829303	06/864770	06/909864	06/942452
06/752093	06/788415	06/830210	06/868028	06/912151	06/943767
06/753269	06/788454	06/813917	06/868988	06/912908	06/945215
07/55718	06/790768	06/831473	06/870578	06/913545	06/941701
07/91917	06/790769	06/831764	06/871264	06/912784	06/941704
06/753437	06/791917	06/834556	06/871494	06/912930	06/944780
06/754280	06/791918	06/835445	06/874475	06/912021	06/948436
06/755171	06/792056	06/834617	06/874883	06/912101	07/001682
06/756938	06/793088	06/835555	06/875641	06/912669	07/001916
06/88061	07/98557	06/835265	06/877518	06/913288	07/002428
06/758885	07/98557	06/840139	06/878077	06/913701	07/005356
06/759404	06/798154	06/842745	06/878606	06/914725	07/002923
06/759794	06/801063	06/841146	06/880796	06/914417	07/006989
06/760325	06/801262	06/841571	06/885229	06/916611	07/004191
06/761401	06/802406	06/843242	06/885453	06/916615	07/004595
06/761403	06/802420	06/841968	06/885750	06/919848	07/004919
06/762803	06/802842	06/844074	06/889013	06/922879	07/005229
06/766390	06/802978	06/845920	06/892021	06/923531	07/005248
06/768501	06/805526	06/843816	06/892245	06/924671	07/005672
06/768372	06/805583	06/845501	06/892245	06/924123	07/123567
06/769427	06/807655	06/849199	06/892389	06/924967	07/007708
06/769508	06/809451	06/849201	06/891513	06/925078	07/007748
06/770041	06/810982	06/850483	06/892460	06/925115	07/008802
06/771670	06/811069	06/851470	06/892233	06/925416	07/014107
06/773099	06/812536	06/850835	06/893617	06/926353	07/009789
06/774666	06/812542	06/850835	06/894871	06/926355	07/011699
06/776263	06/812618	06/850977	06/894725	06/926328	07/012689
06/776336	06/813756	06/851905	06/894396	06/928436	07/015353
06/776484	06/813768	06/851246	06/896920		07/013328
06/776791	06/813756	06/854052	06/897565	06/929421	07/013509
06/776791	06/815152	06/854061	06/899767	06/930996	07/018236
06/781118	06/816437	06/854885	06/899982	06/931330	07/017903
06/781403	06/820624	06/854885	06/900034	06/933913	07/017905
06/781408	06/821224	06/855449	06/900245	06/935164	07/015271
06/780859	06/820225	06/856739	06/900245	06/935161	07/016979

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0225

07/019724	07/055827	07/107325	07/175567	07/252194	07/298451
07/020034	07/055965	07/107822	07/175697	07/254999	07/303023
07/020332	07/058634	07/108249	07/220873	07/233099	07/303212
07/021229	07/059973	07/110067	07/181830	07/256099	07/304749
07/023858	07/059180	07/110153	07/182001	07/257671	07/304533
07/024104	07/062357	07/109450	07/187098	07/259656	07/308979
07/023453	07/062529	07/112912	07/188587	07/260541	07/309002
07/024046	07/060951	07/114360	07/189914	07/262549	07/316388
07/024609	07/060952	07/114910	07/191636	07/262867	07/316544
07/025913	07/061506	07/115226	07/202860	07/263580	07/315006
07/027371	07/065235	07/115230	07/205014	07/265325	07/317065
07/027708	07/066921	07/115233	07/209149	07/264481	07/316881
07/027045	07/067897	07/115286	07/211134	07/265186	07/316887
07/030765	07/068974	07/116991	07/212768	07/266435	07/320444
07/030395	07/070010	07/116826	07/212768	07/274632	07/327851
07/032893	07/070007	07/118497	07/213953	07/271961	07/329734
07/034117	07/070480	07/118508	07/215831	07/272860	07/330658
07/034296	07/071841	07/126052	07/221817	07/274073	07/331938
07/034298	07/072078	07/126052	07/221952	07/275048	07/333359
07/034297	07/075239	07/126132	07/224832	07/277431	07/333490
07/034815	07/077160	07/128859	07/226917	07/277741	07/335626
07/033942	07/079732	07/132518	07/227221	07/280767	07/336183
07/036168	07/081082	07/142293	07/235726	07/281867	07/336382
07/037263	07/085279	07/142752	07/236332	07/283110	07/338473
07/037264	07/086210	07/145072	07/237264	07/284263	07/338506
07/037487	07/086441	07/145358	07/237265	07/287576	07/339344
07/045793	07/089296	07/145448	07/237252	07/288433	07/344420
07/040708	07/090437	07/146067	07/238373	07/287515	07/343757
07/037951	07/090075	07/146918	07/238373	07/288336	07/346255
07/040456	07/091151	07/154450	07/239076	07/288338	07/350435
07/042923	07/091005	07/153550	07/240174	07/288339	07/351281
07/043562	07/092015	07/155330	07/240882	07/287972	07/351311
07/044267	07/092811	07/158058	07/241833	07/287976	07/349887
07/045414	07/094631	07/160368	07/240882	07/288300	07/349975
07/046825	07/095204	07/163686	07/241279	07/289890	07/349898
07/047348	07/098253	07/168595	07/242858	07/290791	07/352682
07/048436	07/099196	07/169209	07/243345	07/290930	07/353283
07/054145	07/101037	07/171211	07/244952	07/291845	07/353574
07/053500	07/101303	07/169265	07/246069	07/291922	07/354051
07/054123	07/102977	07/169674	07/247228	07/292188	07/355602
07/052326	07/102951	07/170581	07/248468	07/292598	07/356578
07/058666	07/104148	07/170530	07/249213	07/292667	07/368079
07/053903	07/105946	07/175631	07/250790	07/293043	07/357699

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0226

07/358743	07/402030	07/442285	07/497380	07/553506	07/595899
07/359450	07/402318	07/443764	07/498292	07/554934	07/596883
07/362790	07/402319	07/443772	07/498889	07/557873	07/597294
07/366333	07/404927	07/447298	07/500354	07/559732	07/601477
07/372203	07/408443	07/450810	07/549906	07/560174	07/601608
07/371871	07/408818	07/453351	07/500649	07/560527	07/599946
07/372143	07/410450	07/455674	07/506323	07/560683	07/602435
07/372393	07/411061	07/456008	07/507099	07/561123	07/602524
07/372102	07/413931	07/458002	07/510378	07/561768	07/603492
07/373968	07/414032	07/458935	07/511160	07/562536	07/604037
07/373763	07/414033	07/459169	07/511872	07/563135	07/604844
07/374402	07/414035	07/459394	07/512632	07/563147	07/608065
07/374423	07/414871	07/459495	07/513402	07/565008	07/609957
07/374501	07/415149	07/462847	07/514077	07/566802	07/612286
07/374504	07/415158	07/463076	07/514639	07/568656	07/613032
07/373966	07/416099	07/464719	07/515545	07/569487	07/613035
07/374721	07/415939	07/467699	07/515905	07/569799	07/614786
07/376781	07/416576	07/468435	07/516414	07/571682	07/615537
07/376794	07/418440	07/468559	07/519050	07/572190	07/617464
07/378431	07/419996	07/471185	07/520145	07/576119	07/616507
07/378475	07/420420	07/471253	07/521964	07/572738	07/616541
5	07/420967	07/473139	07/522871	07/576126	07/619631
07/380580	07/421208	07/477012	07/527672	07/574825	07/621142
07/384340	07/423518	07/481731	07/528301	07/575047	07/620166
07/385970	07/422263	07/483530	07/529051	07/575930	07/620975
07/387253	07/422844	07/484139	07/529765	07/576541	07/622127
07/387254	07/423073	07/484316	07/530489	07/577343	07/623876
07/387478	07/423076	07/484707	07/530685	07/577427	07/622673
07/387480	07/423299	07/485418	07/531802	07/581241	07/622680
07/386752	07/423656	07/485689	07/536378	07/584211	07/623466
07/390549	07/424774	07/486583	07/536910	07/588523	07/624785
07/390550	07/425620	07/489841	07/537856	07/586477	07/625773
07/393337	07/426485	07/490538	07/537739	07/587600	07/624450
07/394048	07/425841	07/491373	07/538286	07/589370	07/627072
07/394390	07/428560	07/494786	07/538962	07/588798	07/628285
07/395930	07/429520	07/492143	07/539635	07/589137	07/629890
07/399358	07/429663	07/493015	07/540039	07/589466	07/629925
07/398686	07/434533	07/493017	07/541223	07/590409	07/630134
07/400202	07/440837	07/493021	07/546466	07/590411	07/630145
07/400215	07/439747	07/494070	07/548321	07/591321	07/631537
07/401369	07/441807	07/495196	07/548155	07/593362	07/632636
07/402390	07/445128	07/496736	07/549855	07/595340	07/634255
07/402006	07/445129	07/497467	07/551218	07/595341	07/635060

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0227

07/900801	07/668550	07/708956	07/753582	07/788062	07/814951
07/636049	07/670542	07/708959	07/755275	07/788961	07/814952
07/636178	07/671275	07/710736	07/755704	07/790304	07/814957
07/636301	07/672065	07/712212	07/758017	07/792129	07/815316
07/636308	07/672270	07/712375	07/760652	07/794317	07/816414
07/636323	07/672733	07/713479	07/761207	07/792560	07/816415
07/636535	07/673601	07/714326	07/762515	07/795404	07/816510
07/636652	07/675043	07/715070	07/762665	07/798355	07/817042
07/636962	07/675126	07/716453	07/763002	07/796143	07/818647
07/638604	07/679163	07/717081	07/763725	07/797495	07/818019
07/640538	07/675784	07/717452	07/764011	07/799747	07/819043
07/640666	07/675845	07/718890	07/764988	07/799694	07/821261
07/640674	07/678561	07/719699	07/764969	07/798438	07/821275
07/641330	07/677917	07/721732	07/765285	07/799468	07/823083
07/644183	07/678484	07/722076	07/765630	07/799238	07/822470
07/609954	07/679469	07/724484	07/767005	07/799246	07/824756
07/647376	07/679921	07/724255	07/767306	07/799487	07/826203
07/647325	07/683136	07/724632	07/768503	07/799508	07/826294
07/648709	07/684492	07/727033	07/768506	07/799584	07/826350
07/650155	07/685113	07/727520	07/769653	07/799589	07/827249
07/651067	07/689716	07/730379	07/770267	07/801331	07/828256
07/653362	07/691070	07/731560	07/771664	07/801236	07/829101
07/652704	07/691578	07/732558	07/773468	07/802908	07/829783
07/654399	07/691181	07/733786	07/771413	07/802912	07/829999
07/656263	07/691945	07/734029	07/774871	07/806934	07/829840
07/657230	07/696284	07/734411	07/775170	07/806971	07/832256
07/657893	07/692860	07/734423	07/780554	07/807524	07/830291
07/658277	07/693787	07/735393	07/778560	07/808704	07/833575
07/658145	07/693215	07/735394	07/781553	07/808950	07/835038
07/659537	07/694166	07/739633	07/781564	07/807687	07/835006
07/659793	07/698436	07/740695	07/782042	07/807915	07/835172
07/659985	07/699287	07/746444	07/782044	07/807973	07/836030
07/661711	07/700017	07/748147	07/782686	07/808989	07/837509
07/661761	07/700963	07/748375	07/784485	07/808990	07/837522
07/661979	07/701271	07/748376	07/785354	07/810072	07/837719
07/662532	07/702651	07/749765	07/785629	07/810617	07/840602
07/662549	07/702564	07/750381	07/785723	07/811634	07/841139
07/663284	07/707235	07/750782	07/786191	07/813225	07/841140
07/664187	07/704516	07/750796	07/786616	07/813079	07/842291
07/665055	07/706461	07/750797	07/787276	07/813553	07/841279
07/666162	07/707365	07/751472	07/787714	07/814062	07/844966
07/667734	07/707721	07/754289	07/787715	07/813188	07/844967
07/667851	07/708414	07/753484	07/787989	07/814850	07/844060

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0228

07/844099	07/880842	07/922896	07/954175	07/978002	07/997975
07/844810	07/880878	07/924690	07/954547	07/979134	07/997983
07/844811	07/884686	07/924115	07/954549	07/979363	07/998165
07/844819	07/886539	07/925285	07/954648	07/979958	07/998168
07/846484	07/887251	07/926555	07/955375	07/980859	07/998250
07/847129	07/888742	07/926574	07/956435	07/981028	07/998310
07/850238	07/889007	07/927087	07/955577	07/982046	08/257215
07/849901	07/889692	07/927772	07/955596	07/982165	07/999063
07/850147	07/890303	07/928386	07/957644	07/983348	07/999064
07/850637	07/890046	07/928572	07/958838	07/984080	07/999073
07/850639	07/891981	07/929617	07/958845	07/984809	07/999200
07/853459	07/891349	07/931237	07/959302	07/985784	07/999327
07/855814	07/891500	07/931555	07/959303	07/985425	07/999329
07/856619	07/891673	07/931621	07/959305	07/985985	07/999423
07/859267	07/892304	07/934284	07/959846	07/987213	07/999755
07/858789	07/893294	07/935625	07/959874	07/989675	08/000035
07/850521	07/895196	07/935717	07/962151	07/990308	08/000429
07/861720	07/895744	07/938197	07/962363	07/990309	08/002577
07/862082	07/895767	07/938314	07/964106	07/990477	08/004168
07/862394	07/897717	07/937817	07/964163	07/990479	08/004360
07/860464	07/898251	07/937922	07/964317	07/990743	08/004487
07/863522	07/899557	07/938809	07/964576	07/991033	08/005915
07/866942	07/902624	07/939757	07/965546	07/991067	08/007751
07/863901	07/903684	07/940157	07/966968	07/992278	08/008228
07/864742	07/904081	07/940426	07/968024	07/991790	08/007201
07/866761	07/905689	07/941473	07/968091	07/992205	08/008029
07/870724	07/905923	07/943945	07/968724	07/995636	08/008269
07/854774	07/906072	07/944133	07/968765	07/993155	08/008966
07/869352	07/906622	07/944148	07/968988	07/993262	08/010202
07/870741	07/906641	07/946214	07/969627	07/995417	08/010518
07/871155	07/907351	07/946687	07/969645	07/992308	08/011054
07/871607	07/907009	07/947695	07/965697	07/994566	08/016178
07/873532	07/908129	07/949417	07/971009	07/995655	08/014029
07/874935	07/908656	07/948542	07/972187	07/993866	08/014070
07/875168	07/911850	07/950388	07/972785	07/993888	08/015723
07/875927	07/914011	07/951064	07/975743	07/996303	08/015727
07/876169	07/914214	07/951079	07/976039	07/996340	08/015736
07/876532	07/914960	07/951527	07/976049	07/996350	08/016414
07/876551	07/917696	07/953040	07/976622	07/997256	08/017165
07/876984	07/917928	07/953403	07/976625	07/996456	08/018484
07/877335	07/921163	07/953418	07/977743	07/996541	08/018947
07/880257	07/922583	07/953437	07/977362	07/997152	08/020279
07/880727	07/923017	07/953383	07/978301	07/997479	08/019512

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0229

08/019957	08/051497	08/071127	08/089068	08/118289	08/124917
08/020508	08/052357	08/071144	08/091144	08/110235	08/125470
08/023243	08/053031	08/071427	08/091808	08/110907	08/125577
08/023295	08/059339	08/071433	08/092047	08/110908	08/125943
08/023404	08/054590	08/071843	08/092153	08/111087	08/125973
08/023547	08/055492	08/071874	08/092379	08/111327	08/126140
08/026375	08/055495	08/074176	08/092652	08/111765	08/126814
08/026919	08/055602	08/074690	08/093508	08/112487	08/126846
08/026952	08/055937	08/075203	08/092965	08/112724	08/125612
08/027263	08/056044	08/076262	08/093420	08/113582	08/126414
08/028094	08/056234	08/076506	08/094286	08/113583	08/127021
08/028104	08/056329	08/076507	08/094278	08/113587	08/127024
08/028443	08/056971	08/076517	08/096142	08/113111	08/127564
08/029205	08/056974	08/076519	08/095589	08/113935	08/128281
08/029724	08/057060	08/076520	08/096095	08/113946	08/129282
08/030895	08/057068	08/076525	08/096097	08/113949	08/129283
08/031769	08/057946	08/076526	08/096282	08/114020	08/129514
08/032342	08/059004	08/076564	08/098561	08/114125	08/129565
08/032720	08/059044	08/076659	08/097785	08/114553	08/129625
08/032918	08/061136	08/077703	08/098146	08/114566	08/131261
08/033477	08/060141	08/078133	08/098167	08/114815	08/130964
08/033478	08/061782	08/078803	08/098260	08/114529	08/130965
08/034335	08/062689	08/079310	08/099295	08/113788	08/131173
08/037656	08/062870	08/080035	08/099365	08/116309	08/131174
08/036585	08/063380	08/080037	08/099815	08/116657	08/131343
08/038594	08/064304	08/078499	08/100021	08/117967	08/132023
08/037858	08/065847	08/080148	08/107472	08/118108	08/132430
08/038370	08/066696	08/082005	08/101340	08/118109	08/133730
08/040236	08/066456	08/082194	08/100906	08/118540	08/133707
08/040327	08/066605	08/083153	08/102030	08/118982	08/134234
08/041661	08/066800	08/081720	08/102178	08/120119	08/134024
08/045846	08/067186	08/082654	08/102434	08/119685	08/134703
08/046513	08/067902	08/082656	08/102441	08/120254	08/136720
08/047169	08/068485	08/083426	08/103841	08/121123	08/136061
08/047160	08/069244	08/083822	08/105218	08/130667	08/137567
08/047590	08/069952	08/083923	08/106167	08/121952	08/138577
08/047889	08/069957	08/085090	08/106499	08/121954	08/138579
08/048967	08/069960	08/085226	08/108406	08/121976	08/137534
08/049751	08/070148	08/085603	08/108464	08/121977	08/137542
08/049874	08/069321	08/086437	08/108268	08/122826	08/138824
08/049924	08/069498	08/086963	08/109186	08/122631	08/138887
08/050931	08/069665	08/086973	08/109291	08/123385	08/140809
08/051251	08/070571	08/086401	08/109753	08/123883	08/141306

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0230

08/141780	08/154766	08/163967	08/172778	08/179831	08/200044
08/141885	08/154769	08/164077	08/173843	08/178142	08/200843
08/142887	08/154771	08/164093	08/173845	08/178191	08/201603
08/143813	08/154773	08/164175	08/173903	08/178196	08/201823
08/144065	08/155047	08/164278	08/174537	08/178210	08/201866
08/144961	08/155973	08/164505	08/174570	08/178680	08/202608
08/145362	08/155974	08/164525	08/174579	08/178598	08/203080
08/146372	08/156529	08/165143	08/174641	08/178707	08/203082
08/146567	08/156953	08/165276	08/174933	08/179858	08/203083
08/145928	08/155499	08/165568	08/174941	08/180248	08/203147
08/146248	08/156119	08/166130	08/175015	08/181266	08/205961
08/146653	08/156185	08/166414	08/175025	08/182901	08/205962
08/147106	08/156344	08/166496	08/175027	08/183382	08/205060
08/147631	08/156506	08/166657	08/175038	08/181072	08/205916
08/148050	08/158088	08/166413	08/175068	08/183272	08/206235
08/148740	08/158089	08/166427	08/175076	08/184165	08/205978
08/148751	08/158090	08/167710	08/175326	08/184811	08/206075
08/148599	08/158096	08/167711	08/176359	08/187412	08/206077
08/148706	08/158118	08/168447	08/175444	08/187415	08/206996
08/148719	08/158175	08/168543	08/175486	08/187373	08/207977
08/149348	08/158726	08/168317	08/175657	08/187580	08/208542
08/150640	08/159026	08/169482	08/175658	08/189003	08/209695
08/150905	08/158770	08/169239	08/175659	08/189338	08/208557
08/151078	08/159151	08/170111	08/175808	08/188002	08/208927
08/151092	08/159178	08/170563	08/175877	08/188294	08/209585
08/151441	08/159403	08/170619	08/175909	08/188872	08/209496
08/151444	08/159880	08/170626	08/175913	08/191565	08/212408
08/151447	08/160013	08/172525	08/175987	08/191234	08/212435
08/151610	29/015878	08/171071	08/176003	08/191685	08/212475
08/152120	08/160135	08/171126	08/176352	08/192239	08/210198
08/152616	08/160313	08/171136	08/176361	08/194192	08/210212
08/151689	08/161695	08/171584	08/176375	08/195221	08/210213
08/152543	08/161736	08/171585	08/176568	08/196961	08/210529
08/152655	08/163443	08/171586	08/176060	08/197654	08/210802
08/152769	08/163453	08/173284	08/176183	08/197895	08/210819
08/152531	08/163462	08/173298	08/176184	08/198802	08/215341
08/152556	08/163465	08/173384	08/176185	08/198667	08/210849
08/152805	08/164115	08/173818	08/176555	08/198743	08/215334
08/153391	08/163319	08/172346	08/176607	08/198915	08/215562
08/153731	08/163320	08/173327	08/176637	08/199364	08/215994
08/154197	08/163457	08/173332	08/176742	08/199366	08/216373
08/154202	08/163954	08/173732	08/176975	08/199910	08/217332
08/154150	08/163957	08/173837	08/177018	08/200043	08/217035

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0231

08/217039	08/228168	08/239110	08/251051	08/260613	08/268399
08/217333	08/228810	08/239631	08/251079	08/260856	08/268426
08/218015	08/228823	08/239641	08/251163	08/260860	08/268463
08/218469	08/228830	08/239644	08/251452	08/261565	08/268464
08/218288	08/228976	08/239771	08/251492	08/261583	08/268465
08/218470	08/229043	08/241119	08/251497	08/261584	08/268466
08/218556	08/229258	08/241227	08/251547	08/261652	08/268467
08/219686	08/229857	08/241302	08/251548	08/263212	08/268468
08/220061	08/230263	08/241534	08/251676	08/262169	08/268475
08/220063	08/230565	08/241812	08/251827	08/262404	08/268482
08/220077	08/231528	08/241829	08/253174	08/262729	08/268487
08/220351	08/233791	08/242384	08/252028	08/262809	08/268599
08/220478	08/232889	08/242385	08/252462	08/262810	08/268603
08/220768	08/233156	08/242500	08/252796	08/263903	08/268604
08/220771	08/233833	08/242510	08/252816	29/024812	08/268623
08/221114	08/234504	08/242526	08/252861	08/263111	08/268752
08/221115	08/234528	08/242755	08/253461	08/263271	08/268896
08/221130	08/234757	08/243664	08/253464	08/263284	08/268902
08/221204	08/234777	08/245279	08/253469	08/263624	08/269221
08/221206	08/235574	08/245755	08/253520	08/263705	08/269230
08/221228	08/235577	08/246387	08/253657	08/263706	08/269233
08/221340	08/235599	08/246437	08/253835	08/263850	08/269258
08/221348	08/235721	08/246523	08/253884	08/263963	08/269264
08/221732	08/235752	08/246545	08/254088	08/263965	08/269456
08/222220	08/236601	08/246586	08/254089	08/263971	08/269730
08/223252	08/236742	08/247165	08/254215	08/263978	08/270348
08/223630	08/236744	08/247172	08/254218	08/264027	08/270952
08/223809	08/236790	08/247381	08/254321	08/264680	08/271308
08/223810	08/235958	08/247798	08/255545	08/265979	08/271934
08/223903	08/236059	08/248570	08/255103	08/264880	08/272161
08/224446	08/236307	08/247722	08/255505	08/265162	08/272180
08/224599	08/236618	08/248773	08/255525	08/265366	08/272349
08/225027	08/236706	08/249113	08/255589	08/267109	08/272350
08/225295	08/236843	08/250075	08/255607	08/278673	08/272501
08/225361	08/237980	08/250076	08/255684	08/267091	08/272503
08/227082	08/237500	08/250144	08/255687	08/267681	08/273083
08/225880	08/237967	08/250147	08/255624	08/267643	08/274569
08/226139	08/237798	08/250205	08/258352	08/267728	08/274597
08/226905	08/237813	08/250251	08/258303	08/268056	08/274657
08/227419	08/238104	08/250252	08/258353	08/268135	08/276069
08/227488	08/238138	08/250253	08/258900	08/268137	08/276079
08/227756	08/238547	08/250746	08/260133	08/268361	08/276080
08/227845	08/239063	08/250876	08/260164	08/268394	08/276139

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0232

08/276143	08/286839	08/299466	08/311638	08/320810	08/327539
08/276377	08/287333	08/299471	08/311648	08/320998	08/327751
08/277450	08/287500	08/299472	08/311689	08/321286	08/327765
08/277852	08/287018	08/299673	08/312243	08/321287	08/327778
08/278479	08/287732	08/299674	08/312360	08/321292	08/328297
08/278688	08/287735	08/299701	08/312595	08/321297	08/329034
08/278733	08/287986	08/299724	08/312599	08/321350	08/329038
08/279453	08/287988	08/299855	08/312858	08/321363	08/329047
08/279962	08/287990	08/300099	08/312859	08/321374	08/329582
08/280039	08/288111	08/300298	08/313936	08/326640	08/329590
08/280040	08/288420	08/300667	08/314021	29/029611	08/329595
08/280421	08/289327	08/301362	08/314023	08/322877	08/329697
08/280429	08/289739	08/302559	08/314101	08/322878	08/329739
08/280782	08/289987	08/303248	08/314116	08/322886	08/329806
08/281879	08/290168	08/303299	08/314567	08/322893	29/030323
08/281894	08/290253	08/303303	08/315160	08/322902	08/330048
08/281955	08/290272	08/304026	08/315314	08/323184	08/330153
08/281956	08/290623	08/304319	08/315382	08/323203	08/330160
08/281969	08/290663	08/304339	08/315383	08/324283	08/330173
08/282247	08/292556	08/304755	08/315451	08/323945	08/330282
08/282254	08/292476	08/304959	08/315515	08/323956	08/330413
08/282683	08/293005	08/305004	08/315723	08/323957	08/330885
08/282692	08/293006	08/306088	08/315740	08/323958	08/330889
08/282764	08/293274	08/306846	08/315783	08/323995	08/331308
08/282862	08/293409	08/306287	08/315992	08/323996	08/331404
08/282870	29/027340	08/306857	08/316197	08/324307	08/331458
08/283106	08/294684	08/307974	08/316288	08/324427	08/331460
08/283240	08/294696	08/308039	08/316585	08/324842	08/331829
08/283326	08/295333	08/308069	08/316586	08/325727	08/332179
08/283333	08/296305	08/308250	08/316687	08/326306	08/332222
08/283882	08/296554	08/308472	08/316705	08/326444	08/332223
08/284025	08/296612	08/309213	08/316745	08/326449	08/332224
08/284026	08/296830	08/309281	08/317081	08/326568	08/332226
08/284028	08/297209	08/309711	08/317304	08/326575	08/332984
08/284708	08/297283	08/310029	08/318007	08/326576	08/332985
08/284324	08/297458	08/310102	08/318013	08/327162	08/333176
08/285262	08/297679	08/310116	08/318413	08/327173	08/333197
08/285363	08/298240	08/310178	08/319353	08/327174	29/030567
08/285370	08/298258	08/310297	08/320147	08/327176	08/333671
08/285614	08/298260	08/310441	08/320613	08/327270	08/333686
08/285679	08/298705	08/310898	08/320309	08/327336	08/333705
08/286062	08/298901	08/311079	08/320355	08/327338	08/333812
08/286147	08/298911	08/311481	08/320588	08/327530	08/333829

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0233

08/333900	08/342561	08/346445	08/350287	08/355768	08/360518
08/333903	08/342562	08/346454	08/350301	08/355787	08/360892
08/333926	08/342969	08/346659	08/350307	08/355889	08/360893
08/334308	08/343286	08/346662	08/350342	08/355890	08/360894
08/334638	08/343287	08/346663	08/350347	08/355943	08/360895
08/334657	08/343290	08/346666	08/350358	08/356017	08/360897
08/334658	08/343296	08/346667	08/350360	08/356045	08/360906
08/334889	08/343395	08/346668	08/350439	08/175422	08/361258
08/335212	08/343735	08/346706	08/349151	08/356095	08/361354
08/335285	08/344309	08/346715	08/350766	08/356805	08/363555
08/335615	08/344311	08/346795	08/350869	08/356812	08/361404
08/335616	08/344317	08/346798	08/350917	08/356823	08/361414
08/335619	08/344318	08/346799	08/350925	08/356930	08/361616
08/336451	08/344320	08/346800	08/350926	08/356945	08/361629
08/336452	08/344785	08/346805	08/350939	08/356998	08/361914
08/338911	08/344268	08/346806	08/351904	08/357003	08/361928
08/338912	08/344300	08/346808	08/351905	08/357802	08/361929
08/338926	08/344390	08/346967	08/351912	08/357804	08/362053
08/338928	08/344439	08/347016	08/351928	08/357809	08/362054
08/338999	08/344440	08/347527	08/351969	08/357811	08/362064
08/339055	08/344446	08/347530	08/351977	08/357887	08/362066
08/339386	08/344448	08/347547	08/351998	08/358049	08/362094
08/339387	08/344754	08/347549	08/352011	08/358214	08/362292
08/339439	08/344762	08/347615	08/352251	08/358445	08/362353
08/339538	08/344787	08/347737	08/352257	08/358482	08/362382
08/340127	08/344791	08/347744	08/352297	08/358663	08/362386
08/340516	08/345110	08/347745	08/352308	08/358664	08/362388
08/340551	08/345148	08/347978	08/353014	08/359088	08/362397
08/340679	08/345150	08/347979	08/353015	08/359109	08/362616
08/340692	08/345185	08/347980	08/353024	08/359164	08/362636
08/340915	08/345678	08/348008	08/353032	08/359269	08/362678
08/340927	08/345954	08/348013	08/353410	08/359308	08/362688
08/340931	08/346051	08/348422	08/353429	08/359309	08/363453
08/341288	08/346055	08/348423	08/353471	08/359682	08/363454
08/341787	08/346056	08/348424	08/351913	08/359707	08/363456
08/341805	08/346061	08/348527	08/354174	08/359782	08/358872
08/341827	08/346069	08/348530	08/354978	08/359796	08/362714
08/342062	08/346106	08/348636	08/355124	08/359973	08/362723
08/342187	08/346119	08/349148	08/355146	08/360158	08/363045
08/342188	08/346123	08/349153	08/355366	08/360181	08/363046
08/342199	08/346323	08/349346	08/355713	08/360472	08/363058
08/342495	08/346439	08/349275	08/355757	08/360513	08/363152
08/342496	08/346442	08/349649	08/355766	08/360517	08/363488

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AT&T PROPRIETARY (RESTRICTED)
SOLELY FOR THOSE PERSONS HAVING A NEED TO KNOW
USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0234

08/363496	08/366948	08/367489	08/368728	08/371314	08/382745
08/363507	08/367375	08/367506	29/033020	08/371652	08/383037
08/363675	08/368059	08/367526	29/033021	08/371936	08/383135
08/363766	08/366513	08/376685	29/033022	08/371939	08/383161
08/370774	08/366515	29/032889	29/033023	08/372261	08/383163
08/370778	08/366516	29/032891	29/033024	08/372714	08/383341
08/372797	08/366538	29/032894	29/033025	08/373340	08/384049
08/363801	08/366540	29/032895	29/033026	08/373342	08/384097
08/363860	08/366631	29/032896	29/033027	08/373346	08/384100
08/364155	08/366632	29/032897	29/033028	08/373710	08/385995
08/364367	08/366655	29/032898	29/033029	08/373731	08/385495
08/364369	08/366657	29/032899	29/033030	08/373732	08/385946
08/364579	08/366691	29/032900	29/033031	08/373809	08/386034
08/364626	08/366704	29/032901	29/033032	08/386982	08/386174
08/364628	08/366705	29/032902	29/033033	08/375756	08/386239
08/364629	08/366706	29/032903	29/033034	08/376693	08/386241
08/364883	08/366707	29/032904	29/033035	08/377299	08/386578
08/360247	08/366708	29/032905	29/033036	08/377291	08/386614
08/364914	08/366843	29/032906	29/033037	08/377546	08/387142
08/365263	08/366849	29/032907	29/033038	08/377569	08/387972
08/365266	08/366863	29/032908	29/033039	08/378040	29/034688
08/365268	08/366864	29/032909	29/033040	08/378766	08/387952
08/365273	08/366867	29/032910	29/033041	08/378916	08/388933
08/365394	08/366931	29/032947	29/033042	08/379052	08/388934
08/365522	08/366935	29/032956	29/033043	08/379422	08/389390
08/365527	08/366939	29/032957	29/033044	08/379430	08/344438
08/365616	08/366952	29/032958	29/033045	08/380277	08/390179
08/365618	08/366954	29/032959	08/369064	08/380872	08/390183
08/365630	08/367368	29/032960	08/369201	08/380774	08/390184
08/366335	08/367371	29/032961	29/033172	08/381056	08/390185
08/365645	08/367376	29/032962	29/033173	08/381262	08/390333
08/365652	08/367377	29/032963	08/369556	08/381375	08/390730
08/365656	08/367379	29/032964	08/369764	08/381376	08/390734
08/366075	08/367380	29/032967	08/369976	08/381377	08/390736
08/366081	08/367382	29/034598	08/370040	08/381378	08/391328
08/366162	08/367397	29/034599	08/370141	08/381627	08/391803
08/366192	08/367401	29/034600	08/371000	08/381630	08/391804
08/366194	08/367402	08/368259	08/370732	08/382106	08/391817
08/366195	08/367403	08/368678	08/370902	08/382954	08/391905
08/366197	08/367406	08/368470	08/370917	08/384498	08/392007
08/366272	08/367409	08/368579	08/370925	08/384514	08/392014
08/366357	08/367410	08/368684	08/374381	08/382552	08/392441
08/366946	08/367419	08/368687	08/371247	08/382698	08/392711

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0235

08/394662	08/399082	08/408800	08/415405	08/426304	08/431985
08/392600	08/399084	08/410426	08/415893	08/426510	08/432486
08/393607	08/400704	08/410427	29/037095	08/427636	08/432555
08/393615	08/400706	08/409235	29/037096	08/427030	08/432557
08/393616	08/400707	08/409782	08/416610	08/427519	08/434079
08/392640	08/400892	08/410170	08/417308	08/427538	08/434423
08/393628	08/401058	08/410174	08/417423	08/428804	08/435297
08/393741	08/401059	08/410552	08/417490	08/429215	08/434485
08/393754	08/401387	08/410420	08/417501	08/428264	08/434486
08/393759	08/401389	08/410597	08/417878	08/428265	08/434712
08/393784	08/401392	08/411092	08/418329	08/428283	08/435030
08/394097	08/401545	08/411242	08/418335	08/428289	08/435245
08/387306	08/401655	08/412248	08/418337	08/429259	08/435681
08/394867	08/401840	08/412385	08/418728	08/429260	08/435682
08/395137	08/401843	08/412393	08/418917	08/429263	08/435705
08/395219	08/402075	08/412400	08/419629	08/427927	08/435706
08/395271	08/402264	08/412406	08/420456	08/428988	08/435048
08/395546	08/402266	08/413014	08/420613	08/429419	08/436671
08/395547	08/402665	08/412678	08/422665	08/429458	08/436901
08/395560	08/402803	08/412787	08/439040	08/429967	08/439059
08/395735	08/403044	08/412822	08/419783	08/429968	08/437332
08/395736	08/403316	08/413141	08/420887	08/429984	08/437345
08/395737	08/403325	08/413330	08/420466	08/429988	08/437349
08/396031	08/403329	08/413527	08/420467	08/429996	08/437528
08/396042	08/404406	08/413583	08/420917	08/429999	08/437653
08/396105	08/404221	08/413643	08/421105	08/430084	08/438296
08/396307	08/404664	08/413650	08/421274	08/430113	08/438312
08/396841	08/405062	08/413658	08/421339	08/430560	08/438323
08/397700	08/405578	08/413665	08/421642	08/430627	08/438720
08/393494	08/400893	08/413675	08/422281	08/430658	08/438826
08/396822	08/406084	08/413678	08/422566	08/430664	08/439030
08/397346	08/406289	08/414082	08/422749	08/430665	08/439041
08/397516	08/406290	08/414243	08/422750	08/430676	08/440150
08/397590	08/407782	08/414560	08/423596	08/430963	08/440429
08/397609	08/407728	08/414561	08/424137	08/431341	08/440737
08/398244	08/408673	08/414609	08/424762	08/431354	08/441097
08/398251	08/409482	08/414667	08/424838	08/431355	08/441142
08/398400	08/408460	08/414668	08/424844	08/431356	08/441566
08/398487	08/408664	08/414857	08/424945	08/431371	08/441903
08/395781	08/408678	08/414987	08/426425	08/431694	08/442526
08/398728	08/408747	08/415015	08/425557	08/434875	08/442862
08/399018	08/408758	08/415098	08/425632	08/431585	08/442863
08/399400	08/408799	08/422409	08/425734	08/431590	08/442866

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0236

08/442898	08/451249	08/462476	08/485421	08/492356	08/497470
08/442899	08/451282	08/463817	08/485422	08/492357	08/497489
08/442900	08/451283	08/464988	08/485423	08/492468	08/497640
08/442901	08/451296	08/468167	08/485927	08/492469	08/497673
08/442902	08/451297	08/468168	08/485928	08/492555	08/497969
08/442903	08/451347	08/468212	08/486061	08/492604	08/498713
08/443510	08/451695	08/468574	08/486486	08/492875	08/498714
08/443512	08/451719	08/469115	08/486844	08/493232	08/498099
08/443534	08/452048	08/469276	08/488234	08/493017	08/498306
08/443650	08/452458	08/469342	08/488274	60/000386	08/498314
08/443807	08/452463	08/469558	08/482466	60/000387	08/498738
08/443978	08/452464	08/469737	08/486543	60/000403	08/499012
08/444467	08/452482	08/470238	08/486544	08/493398	08/499159
08/444635	08/452484	08/470880	08/488666	08/493596	08/499247
08/444949	08/452806	08/471106	08/488667	08/493609	08/499461
08/445236	08/453295	08/472033	08/489270	08/493779	08/499509
08/445322	08/453855	08/472082	08/489243	29/040589	08/499513
08/446122	08/453944	08/473463	08/489399	29/040590	08/499647
08/446170	08/454049	08/473620	08/489423	08/494609	08/499700
08/446181	08/454976	08/473679	08/490215	08/495197	08/499807
08/446184	08/455373	08/473848	08/490375	08/494429	08/500070
08/445476	08/455377	08/474050	08/490377	08/494476	08/500672
08/445486	08/455378	08/474116	08/518354	08/494900	08/500729
08/445851	08/455385	08/474237	08/482962	08/495242	08/501327
08/447307	08/455449	08/474627	08/490688	08/495280	08/501632
08/447321	08/455614	08/475110	08/490678	08/495281	08/501973
08/447322	08/455805	08/475707	08/490966	08/495292	08/501887
08/447328	08/455809	08/475708	08/490979	08/496263	08/502106
08/447335	08/455926	08/477175	08/490980	08/496268	08/502246
08/447336	08/455950	08/478133	08/490981	29/040833	08/502504
08/447337	08/455962	08/478590	08/491013	08/496372	08/502522
29/039174	08/456012	08/479036	08/491426	08/496555	08/502546
08/447504	08/457881	08/479037	08/491436	08/496591	08/502591
08/448239	08/458048	08/479288	PCT/US95	08/496638	08/502625
08/448954	08/458095	08/479476	/07629 6	08/496792	08/502689
08/449184	29/039809	08/479587	PCT/US95	08/496866	08/502941
08/449455	08/457937	08/482580	/07660 6	08/497043	08/504188
08/450179	08/459920	08/482708	08/491655	08/497120	08/503683
08/450294	08/460514	08/482709	08/491755	08/497189	08/503684
08/450592	08/460955	08/482715	08/492173	08/497269	08/503758
08/452560	08/460965	08/484436	08/492174	08/497341	08/504096
08/452624	08/462313	08/485303	08/492259	08/497346	08/504797
08/451248	08/462459	08/485420	08/492315	08/497350	08/504955

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0237

08/504970	08/509681	08/516418	08/522188	08/528389	08/533046
08/505039	08/509720	08/516423	08/522209	60/003721	08/533143
08/505047	08/509748	08/516472	08/522215	08/527967	08/533222
08/505142	08/509930	08/516473	08/522216	08/528029	08/533243
08/505514	08/510021	08/516712	08/522485	08/528485	08/533489
08/505548	08/510161	08/516851	08/522624	08/528505	08/533156
08/506253	08/510205	08/517312	08/522625	60/003742	08/533803
08/506160	08/510219	08/517481	60/003647	08/528576	08/534217
08/506162	08/510225	08/524106	08/522647	08/528577	08/534218
	126	08/517935	08/522795	08/528800	08/534232
	128	08/517938	08/522796	08/528819	08/534371
	134	08/518055	08/522802	08/528820	08/534145
	163	08/538166	08/522808	08/528823	08/534356
	197	08/519035	08/522823	08/528902	08/534419
	189	08/519267	08/522895	08/537161	08/534524
	145	08/519500	08/522896	08/529302	08/534534
	187	08/519862	08/522897	08/529698	08/534607
08/507893	08/512002	08/519867	08/531539	08/529703	08/534760
08/507894	08/512003	08/519909	08/523564	08/529775	08/534761
08/507957	08/512005	08/520067	08/523701	08/529887	08/534767
08/508274	08/512503	08/520191	08/523703	08/529888	08/534773
08/508572	08/513195	08/520192	08/523884	08/529925	08/535433
08/508573	08/513198	08/521099	08/523971	08/530040	08/535677
08/508574	08/513417	08/521100	08/524198	08/530042	08/534903
08/508858	60/002100	08/521285	08/524308	08/530687	08/534909
08/508944	08/514034	08/520808	08/524552	08/530780	08/535362
08/508945	08/514038	08/520809	08/524559	08/530978	08/535399
08/510949	08/514040	08/520904	08/525441	08/530980	08/535417
08/509072	08/514199	08/520909	08/526026	08/530981	08/535603
08/509073	08/514327	08/520910	08/524968	08/530809	29/044655
08/509267	08/514707	08/521495	08/525809	08/530988	08/536548
08/509282	08/514902	08/521553	08/525873	08/530969	08/536554
08/509309	08/558997	08/521676	08/525932	08/530970	08/536905
08/509403	60/002275	08/521679	08/525937	08/531115	08/536908
08/509404	08/515445	08/521707	08/525938	08/531883	08/536916
08/509406	08/515625	08/521778	08/526618	08/531805	08/536917
08/509409	08/515874	08/521934	08/526622	08/531807	08/537198
08/509410	08/515887	08/521936	08/526737	08/531821	60/005506
08/509562	08/475109	08/521940	08/527239	08/531982	08/537372
08/509563	08/516060	08/522012	08/527240	60/004177	08/537561
08/509612	08/516111	08/522013	08/527305	08/532186	08/537562
08/509613	08/516368	08/522040	08/527463	08/532857	08/537565
08/509678	08/516369	08/522041	08/527989	08/533042	08/537568

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0238

60/004670	08/531140	08/550421	08/556158	08/557800	08/565529
08/538316	08/545077	60/008078	08/556445	08/559868	08/565530
08/538317	08/545109	08/550697	29/046215	08/559888	08/565541
08/538318	08/545323	08/550879	29/046217	08/560671	08/565705
08/538518	08/545376	08/550909	29/046218	08/560694	08/565739
08/538872	08/546055	08/550910	08/554957	08/560722	08/565742
08/539211	08/546078	08/551136	60/006636	08/560754	08/565797
08/539473	08/546424	08/551216	08/555959	08/560755	29/047266
08/539000	08/546853	08/551240	08/556322	08/561473	08/566198
08/539476	08/547098	08/551241	08/556323	08/561547	08/566292
08/539491	08/547213	08/558579	08/556324	08/562235	08/566324
08/539950	08/547392	08/558601	08/556325	08/561675	08/566325
08/539951	08/547584	60/007105	08/556327	08/561676	08/566445
08/540510	08/547633	60/008134	08/556328	08/561682	60/007885
08/540529	08/547636	08/548356	08/556677	08/561906	60/007886
08/541535	08/547644	08/548359	08/557760	08/561996	60/007893
08/541863	08/547767	08/551394	08/557761	08/562954	08/566650
08/541984	08/554210	08/548794	08/557764	08/562970	08/566766
08/541985	08/547822	08/551971	08/558942	08/563067	08/566771
08/543570	08/547917	08/552152	29/046279	08/563154	08/566815
08/540693	08/548161	08/552421	29/046280	08/563189	08/566816
08/542208	08/548182	08/552641	60/006636	08/562619	08/566817
08/542241	08/548533	08/552642	08/556726	08/563688	08/567020
08/542242	08/548534	08/552898	08/557223	08/563816	08/567193
08/545042	08/548537	08/552998	08/557634	08/564608	08/567517
60/005141	08/548695	08/554071	08/557635	08/564610	08/567659
08/542480	08/548720	08/554332	08/557636	08/564611	08/567759
08/542767	08/548818	08/553116	08/557872	08/564613	08/567760
08/542995	08/548923	08/553118	08/557873	08/564699	08/567812
08/539465	08/548924	08/553128	08/557885	08/564700	08/567836
08/543460	08/549360	08/553202	08/559512	08/564701	08/567862
08/543539	08/549363	08/553209	08/559516	08/564858	08/567867
08/543568	08/549579	08/554501	08/559517	08/565038	08/568040
08/543583	08/549588	08/554502	08/559703	08/565157	08/568041
08/543639	08/549612	60/006284	08/558208	08/565286	08/568334
08/543692	08/549617	08/555051	08/558462	08/565287	29/047540
60/007002	60/005908	08/555197	08/559325	08/565330	08/568730
08/543885	08/549897	08/555345	08/559589	08/565476	08/569024
08/543900	08/549990	29/046181	08/560061	08/565499	08/569025
08/544243	08/550130	08/555594	08/560148	08/565501	08/570171
08/544244	08/550145	08/555737	08/560428	08/565526	08/569267
08/544346	08/550274	08/555933	08/560446	08/565527	08/569268
08/544351	08/550417	08/556157	08/560450	08/565528	08/569471

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AT&T PROPRIETARY (RESTRICTED)
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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0239

08/569511	08/574418	08/577953	08/579231	08/580672	08/582566
08/569516	08/573645	08/578001	08/579689	08/580681	08/582569
08/569552	08/573670	60/009116	08/579700	08/580701	08/583250
08/570138	08/573671	60/009205	08/579706	08/580869	08/583355
08/570143	08/573672	60/009206	08/579713	08/580910	08/583361
08/570144	08/573673	08/578121	08/579752	08/580911	08/583367
08/570423	08/573700	08/578122	08/579753	08/580915	08/584497
08/570429	08/573701	08/578123	08/579842	08/580920	08/585317
08/570788	08/573702	08/578260	08/579843	08/580951	08/584932
08/570902	08/573705	08/578274	08/579844	08/580953	08/584935
08/570903	08/573736	08/578286	08/579864	08/580954	08/584936
08/570904	08/573738	08/578289	08/579894	08/580955	08/585086
08/570905	08/573739	08/578292	08/579946	08/581077	08/585969
08/570906	08/573763	08/578363	08/579961	08/581079	08/586036
08/571004	08/573923	08/578365	08/580218	08/581141	08/586268
08/571050	08/574003	08/578721	08/580219	08/581232	08/586347
60/008513	29/048033	08/578724	08/580220	08/581283	08/586412
60/008514	08/574472	08/578816	08/580229	08/581285	08/586413
08/571570	08/591186	08/578819	08/580231	08/581418	08/586414
08/572247	08/575972	08/578844	08/580239	08/581661	08/587060
08/572248	08/575974	08/579617	08/580240	08/581665	08/587061
08/572275	08/575975	08/581710	08/580264	08/581666	08/587064
08/572276	08/576119	08/591190	08/580413	08/581700	08/587426
08/572286	08/576142	08/579105	08/580419	08/581951	08/590696
08/572196	08/576385	08/579174	08/580470	08/586008	08/588155
08/572359	08/576411	08/579175	08/581024	08/586012	08/588156
08/572457	08/576420	08/579176	08/581292	08/587801	08/588673
08/572481	08/576421	08/579177	08/581299	29/048443	08/588193
08/572588	08/576602	08/579497	08/581634	29/048444	08/588478
08/572594	08/576607	08/579498	08/581635	29/048445	08/588493
08/572599	08/576682	08/579516	08/581636	29/048446	08/588954
60/009487	08/579051	08/579517	08/581637	29/048447	08/588970
08/572941	08/570738	08/579524	08/581640	29/048448	08/589224
08/572945	08/575791	08/579525	08/581643	60/009315	08/589229
08/572955	08/577077	08/579526	08/581644	60/009353	08/589233
08/572956	08/577301	08/579527	08/583144	60/009363	08/589314
08/572979	08/577350	08/579528	08/583145	60/009430	08/589428
08/573012	08/577454	08/579529	60/009337	60/009537	08/589660
08/573100	08/577637	08/579531	60/009427	60/009878	08/590236
08/573607	08/577786	08/579533	60/009428	08/581792	08/590239
08/573616	08/577890	08/579534	08/577675	08/581830	08/590722
08/573619	08/577947	08/579537	08/579986	08/581852	08/599500
08/574059	08/577952	08/580731	08/580107	08/582565	08/592245

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PATENT
REEL: 014490 FRAME: 0240

08/592751	08/601218	4002838	4009415	4017495	4022988
08/592823	08/601414	4002841	4010323	4017695	4022989
08/592896	08/601805	4002847	4010381	4017696	4023141
08/593192	08/601928	4002853	4010385	4017799	4023199
08/593984	08/602427	4002897	4010388	4017810	4023208
08/593992	08/602428	4002974	4010454	4017847	4023258
08/594193	08/602888	4003006	4010484	4017849	4023260
08/594194	08/602893	4003008	4010488	4017867	4023911
08/594980	08/602894	4004084	4011006	4019048	4023997
08/595110	08/602944	4004102	4011144	4019051	4024349
08/595378	08/603022	4004103	4011465	4019129	4024351
60/010993	60/011848	4004136	4011583	4019140	4024452
08/590031	08/603770	4004261	4011980	4019143	4025156
08/594617	08/603793	4004284	4012113	4019149	4025410
08/595543	08/604045	4004458	4012240	4019177	4025729
08/592945	08/604136	4004726	4012267	4019250	4025735
08/596802	08/604629	4004743	4012598	4019364	4025737
08/596814	08/605429	4005365	4012628	4019715	4025852
08/597004	08/605579	4006304	4012699	4019805	4025853
08/597056	08/605580	4006307	4012726	4020213	4025867
08/596084	08/605698	4006314	4013000	4020295	4025888
08/597592	08/605979	4006437	4013466	4020327	4025911
08/597754	08/608228	4006475	4013501	4020332	4026348
08/597756	3998337	4006872	4013828	4020398	4026474
08/597758	3992152	4007334	4013842	4020459	4026653
08/597776	4000936	4007335	4013900	4020476	4026741
08/597368	4000937	4007336	4013915	4020548	4027052
08/598487	4000949	4007339	4014009	4021158	4027054
08/600102	4001093	4007381	4014729	4021217	4027056
08/599289	4001371	4007384	4014853	4021265	4027104
08/599570	4001517	4007413	4015083	4021276	4027114
08/599571	4001578	4007421	4015088	4021314	4027247
08/599572	4001698	4007447	4015091	4021617	4027298
08/599702	4001719	4007453	4015148	4021622	4027511
08/600645	4001858	4007459	4015159	4021731	4027814
08/600658	4001884	4007631	4015222	4021738	4027977
60/011435	4002033	4008117	4015765	4021791	4028028
08/598587	4002381	4008343	4016050	4022153	4028081
08/599831	4002389	4008376	4016369	4022930	4028146
08/600354	4002392	4008390	4016385	4022939	4028162
08/600389	4002512	4008439	4016497	4022974	4028337
08/600557	4002725	4009330	4017228	4022979	4028494
08/600786	4002803	4009385	4017288	4022983	4028496

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REEL: 014490 FRAME: 0241

4028507	4032914	4038487	4045615	4051010	4056719
4028547	4032951	4038559	4045725	4051393	4056734
4028557	4033027	4038638	4046225	4051505	4056737
4028622	4033287	4038696	4046247	4051705	4056785
4028628	4033386	4039249	4046298	4052204	4056807
4028634	4033667	4039309	4046454	4052221	4056812
4028637	4033668	4039357	4046536	4052584	4056814
4028641	4033671	4039698	4046660	4052688	4057187
4028663	4033833	4039762	4046962	4053204	4057320
4028678	4034149	4039763	4046964	4053205	4057448
4028679	4034161	4039851	4046967	4053708	4057693
4028683	4034162	4039938	4046968	4053751	4057696
4028684	4034197	4039947	4046969	4053822	4058669
4028692	4034242	4039966	4046972	4054238	4058680
4028728	4034294	4039968	4046974	4054350	4058739
4028905	4034302	4039979	4046980	4054484	4058758
4029376	4034347	4040021	4047026	4054728	4058779
4029390	4034358	4040023	4047085	4054754	4059340
4029536	4034378	4040036	4047104	4054756	4059467
4029900	4034379	4040049	4047143	4054760	4059708
4029912	4034471	4040051	4047245	4054795	4059730
4030025	4035051	4040078	4047781	4054803	4059731
4030083	4035211	4040095	4048440	4054814	4060834
4030091	4035500	4040284	4048441	4054846	4061049
4030122	4035555	4040701	4048443	4054863	4061410
4030901	4035584	4040718	4048448	4054941	4061829
4030966	4036706	4040728	4048451	4054946	4061884
4031272	4037050	4040890	4048452	4055217	4061932
4031324	4037091	4041243	4048551	4055616	4062047
4031325	4037111	4041247	4048552	4055731	4062319
4031493	4037115	4041403	4048555	4055802	4062462
4031494	4037117	4041416	4048559	4055841	4062614
4031524	4037171	4042467	4048657	4056411	4062632
4031538	4037266	4042723	4049123	4056687	4062747
4031559	4037307	4042724	4049413	4056688	4062755
4032033	4037308	4042730	4049471	4056689	4063047
4032212	4037309	4042786	4049909	4056690	4063106
4032237	4037454	4043094	4049920	4056691	4063168
4032697	4037749	4043640	4050013	4056693	4063307
4032711	4037969	4043891	4050033	4056694	4063617
4032718	4038062	4044222	4050279	4056695	4064361
4032727	4038107	4044252	4050821	4056696	4064370
4032890	4038219	4045310	4050964	4056698	4064799

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PATENT
REEL: 014490 FRAME: 0242

4065316	4072937	4081290	4087657	4093345	4099837
4065368	4073675	4081601	4087658	4093520	4100003
4065643	4073771	4081620	4087737	4093774	4100037
4065646	4073974	4081629	4087786	4093826	4100374
4065679	4073981	4081653	4087787	4093905	4100377
4065728	4074072	4081654	4087900	4094002	4100533
4065773	4074079	4081658	4088844	4094178	4101018
4066316	4074086	4081670	4088846	4094410	4101066
4066317	4074087	4081692	4088948	4094580	4101396
4066320	4074212	4081824	4089051	4095051	4101847
4066483	4074305	4082487	4089586	4095052	4102117
4066842	4074318	4082585	4089594	4095053	4102661
4067651	4074319	4082602	4089686	4095122	4103102
4067783	4074320	4082620	4089704	4095125	4103104
4068022	4074358	4082624	4090034	4095165	4103114
4068170	4075299	4083748	4090038	4095196	4103126
4068512	4075437	4084023	4090133	4096010	4103287
4068517	4075514	4084044	4090147	4096043	4103327
4069392	4076335	4084308	4090221	4096354	4103353
4069395	4076356	4085038	4090227	4096356	4104109
4069916	4076375	4085298	4090237	4096358	4104626
4069924	4076380	4085368	4090400	4096361	4104672
4069970	4076510	4085396	4090763	4096362	4105283
4070093	4076556	4085449	4090843	4096363	4105337
4070229	4076962	4085453	4090890	4096399	4105365
4070696	4076968	4085456	4090896	4096446	4105863
4071290	4077023	4085998	4090934	4096508	4105919
4071417	4077039	4086446	4091127	4096721	4105973
4071479	4077416	4086448	4091243	4096970	4106009
4071695	4077693	4086546	4091290	4097286	4106070
4071722	4077851	4086547	4091360	4097780	4106096
4071831	4077852	4086548	4091415	4098031	4106847
4071842	4077927	4086620	4091529	4098753	4106850
4071848	4078255	4086624	4091657	4098763	4106959
4071888	4078256	4086816	4092491	4098922	4107242
4071908	4078851	4086817	4092493	4099170	4107260
4071944	4078853	4087150	4092535	4099256	4107474
4072037	4079210	4087632	4092587	4099260	4107495
4072427	4079341	4087633	4093331	4099305	4107594
4072544	4079382	4087646	4093338	4099822	4107595
4072768	4079828	4087647	4093339	4099823	4107648
4072777	4080534	4087654	4093343	4099832	4107668
4072830	4080650	4087656	4093344	4099835	4107669

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REEL: 014490 FRAME: 0243

4107721	4117263	4125755	4132979	4141779	4148539
4107835	4117274	4125813	4133497	4142004	4148677
4107837	4117278	4125853	4133908	4142066	4149028
4107838	4117398	4125855	4133976	4142150	4149042
4108522	4117424	4125856	4133981	4142247	4149242
4108716	4117544	4125861	4134088	4142249	4149905
4108738	4117585	4126768	4134125	4142312	4150257
4108970	4117590	4126794	4134695	4142458	4150259
4109099	4117670	4126935	4134785	4142662	4150278
4109113	4118095	4127320	4134953	4142775	4151007
4109158	4118548	4127449	4135240	4142776	4151009
4109194	4118595	4127862	4135289	4142918	4151014
4109212	4118596	4127894	4135902	4143241	4151365
4109217	4118788	4127932	4136225	4143246	4151463
4109253	4119211	4128616	4136275	4143287	4151516
4109297	4119212	4128736	4136335	4143419	4152043
4110566	4119363	4128742	4136350	4143420	4152083
4110841	4121015	4128772	4136434	4144408	4152538
4111523	4121167	4129349	4136628	4144411	4152713
4111524	4121238	4129433	4136765	4144487	4153329
4111525	4122215	4129468	4136928	4144525	4153330
4111725	4122301	4129751	4137100	4144535	4153523
4111783	4122399	4129753	4137428	4144634	4153835
4112147	4122442	4129816	4137468	4145460	4153843
4112247	4123137	4129882	4137511	4145573	4153886
4112258	4123139	4129940	4137865	4145578	4153944
4112262	4123562	4130343	4138047	4145579	4153994
4112279	4123585	4130421	4138210	4145658	4154591
4113547	4123722	4130424	4138303	4145667	4154625
4113986	4124176	4130694	4139772	4145695	4154877
4113996	4124728	4130744	4139895	4145699	4154983
4114006	4124774	4130827	4139905	4146166	4155056
4114126	4124775	4131484	4139907	4146297	4155321
4114138	4124785	4131487	4140362	4146301	4155779
4114177	4124818	4131760	4140417	4146308	4156044
4114256	4124828	4131762	4140558	4146835	4156107
4114751	4124830	4131767	4140817	4147405	4156108
4115601	4124884	4131910	4140927	4147407	4156150
4115633	4125648	4132608	4140964	4147841	4156200
4115766	4125687	4132863	4141034	4147902	4156238
4116524	4125743	4132870	4141035	4148089	4156246
4116532	4125744	4132907	4141055	4148097	4156263
4116642	4125748	4132966	4141661	4148138	4156854

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4156868	4163942	4171240	4177658	4185275	4191800
4156934	4163982	4171344	4178079	4185302	4191835
4157165	4164025	4171389	4178474	4185303	4191970
4157178	4164041	4171466	4178480	4186278	4191995
4157224	4164678	4171467	4178550	4186410	4192008
4157486	4164696	4171489	4178557	4186994	4192015
4157508	4164703	4171870	4178678	4187027	4192062
4157562	4164713	4172021	4178680	4187111	4192570
4157612	4164716	4172964	4179032	4187128	4192571
4157856	4164787	4172965	4179173	4187399	4192764
4157857	4164790	4173389	4179186	4187530	4193040
4157860	4165142	4173470	4179189	4187555	4193123
4157936	4165410	4173475	4179322	4187867	4193177
4158112	4165496	4173736	4179534	4187974	4193201
4158755	4165515	4174238	4179625	4188505	4194062
4158825	4166219	4174377	4179666	4188578	4194091
4159395	4166254	4174470	4179798	4188601	4194297
4159443	4166274	4174842	4180602	4188671	4194931
4159452	4166276	4174983	4180625	4188702	4194933
4159514	4166881	4175060	4180757	4188840	4194935
4159799	4166924	4175145	4181387	4189199	4195201
4159919	4166929	4175213	4181433	4189208	4195338
4159962	4166931	4175271	4181544	4189627	4195791
4160127	4166971	4175277	4181584	4189711	4195982
4160258	4166987	4175877	4181750	4189715	4196263
4160261	4167031	4176021	4181779	4189716	4196316
4160407	4167032	4176142	4181821	4189739	4196318
4160682	4167240	4176170	4181824	4189767	4196319
4160934	4167601	4176240	4181888	4189831	4196321
4160952	4167676	4176248	4181978	4190330	4196396
4161634	4167715	4176255	4181979	4190352	4196439
4161635	4167748	4176344	4182107	4190467	4196831
4161656	4168427	4176400	4182796	4190631	4197023
4162034	4168876	4176908	4182934	4190747	4197024
4162337	4168907	4176911	4182999	4190799	4197355
4162416	4168996	4176961	4183096	4190813	4197429
4162528	4169215	4177097	4183692	4190826	4197430
4162537	4169218	4177354	4183795	4190896	4197511
4163072	4169289	4177364	4184049	4191339	4197580
4163120	4169997	4177436	4184171	4191440	4198115
4163155	4170021	4177521	4184913	4191453	4198158
4163237	4170719	4177553	4185202	4191545	4198162
4163262	4170764	4177554	4185242	4191789	4198476

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PATENT
REEL: 014490 FRAME: 0245

4198689	4208624	4216356	4221997	4227154	4232197
4199408	4208627	4216395	4222013	4227250	4232249
4199665	4208728	4216450	4222076	4227806	4232262
4199698	4209358	4216489	4222112	4227975	4232321
4199775	4209690	4216580	4222488	4227983	4232328
4200555	4209842	4217027	4222834	4228213	4232338
4200668	4210198	4217030	4222996	4228226	4232399
4200975	4210380	4217375	4223080	4228228	4232440
4201105	4210704	4217488	4223182	4228320	4232558
4201454	4210825	4217524	4223184	4228321	4233470
4201580	4210923	4217600	4223737	4228323	4233579
4201958	4210950	4217773	4223848	4228328	4233807
4201998	4210999	4218025	4223934	4228438	4234118
4203030	4211012	4218285	4223973	4228514	4234356
4203105	4211099	4218532	4223978	4228523	4234358
4203124	4211458	4218649	4224105	4228528	4234666
4203781	4211459	4218653	4224117	4229155	4234762
4203792	4211467	4218703	4224472	4229269	4235014
4204088	4211601	4218704	4224476	4229617	4235191
4204093	4212101	4218758	4224477	4229620	4235501
4204218	4212177	4218770	4224479	4229624	4235829
4204737	4212612	4218776	4224482	4229625	4236122
4204893	4213087	4219701	4224483	4229626	4236161
4205216	4213095	4219788	4224485	4229691	4236164
4205239	4213098	4219925	4224500	4229702	4236166
4205329	4213138	4220460	4224547	4229715	4236245
4205365	4213187	4220506	4224565	4229815	4236256
4205769	4213696	4220819	4224582	4229823	4236836
4205889	4213801	4220827	4224654	4229865	4236904
4206000	4213932	4220828	4225216	4230473	4236924
4206011	4214120	4220966	4225346	4230538	4236976
4206322	4214353	4220987	4225664	4230553	4237484
4206447	4214359	4220990	4225819	4230958	4237544
4206543	4214432	4221001	4226492	4230974	4237553
4207137	4214666	4221034	4226648	4230997	4237554
4207613	4215245	4221461	4226659	4231042	4238148
4207616	4215246	4221472	4226665	4231043	4238186
4207771	4215250	4221756	4226667	4231050	4238274
4208094	4215320	4221925	4227042	4231087	4238300
4208211	4215323	4221926	4227054	4231777	4238682
4208241	4215381	4221932	4227055	4231809	4238686
4208545	4216036	4221933	4227088	4232110	4238688
4208553	4216051	4221939	4227147	4232184	4238690

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PATENT
REEL: 014490 FRAME: 0246

4238691	4243295	4251130	4257797	4263341	4272735
4238694	4243700	4251293	4257824	4263479	4272810
4238695	4243834	4251326	4257856	4264128	4273411
4238740	4243959	4251621	4257901	4264268	4273594
4238836	4244083	4251694	4258078	4264299	4273955
4238877	4244775	4251880	4258234	4264375	4273963
4239323	4244799	4251884	4258262	4264916	4273966
4239330	4245199	4252457	4258411	4264934	4273970
4239337	4245248	4252999	4258419	4265410	4274013
4239345	4245294	4253029	4258468	4265508	4274047
4239443	4245340	4253035	4258984	4265980	4274051
4239567	4245345	4253131	4259540	4266097	4274052
4239787	4245537	4253155	4259642	4266182	4274071
4239935	4245883	4253159	4259648	4266249	4274237
4239955	4246084	4253163	4259674	4266399	4274476
4240032	4246128	4253184	4259680	4266986	4274854
4240040	4246296	4253185	4259728	4267085	4275144
4240049	4246584	4253280	4259734	4267525	4275276
4240127	4247209	4253289	4260221	4267532	4275289
4240135	4247327	4253583	4260432	4267559	4275308
4240142	4247500	4253728	4260670	4268109	4275313
4240195	4247740	4253883	4260850	4268172	4275314
4240196	4247742	4253907	4260851	4268374	4275385
4240693	4247910	4254163	4260859	4268536	4275404
4240716	4247940	4254164	4260892	4268568	4275436
4240717	4247945	4254440	4260909	4268723	4275437
4240843	4247981	4254443	4260952	4268942	4275459
4241105	4248353	4254448	4260972	4269138	4276098
4241109	4248808	4254547	4261018	4269463	4276108
4241128	4249013	4255017	4261056	4269635	4276243
4241206	4249094	4255481	4261638	4269670	4276368
4241236	4249181	4255719	4261639	4269671	4276448
4241261	4249190	4255721	4261771	4270030	4276557
4241322	4249249	4255763	4261800	4270237	4276614
4241425	4249689	4255779	4262035	4270424	4276780
4241974	4249962	4255796	4262081	4271425	4277321
4241979	4249988	4255851	4262164	4271445	4277519
4242419	4250409	4256512	4262172	4271509	4277642
4242636	4250414	4256534	4262339	4271524	4277644
4242642	4250508	4256535	4262805	4271527	4277645
4242650	4250516	4256544	4262985	4271536	4277646
4242697	4250534	4256816	4263032	4271573	4277647
4242717	4250545	4257097	4263106	4271583	4277649

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REEL: 014490 FRAME: 0247

4277740	4282408	4287598	4296492	4302838	4309755
4277783	4282409	4288140	4296998	4302982	4309768
4277846	4282437	4288841	4297005	4303291	4310209
4278238	4282530	4288854	4297190	4303343	4310341
4278321	4282541	4288871	4297642	4303715	4310365
4278353	4282644	4288910	4297783	4303812	4310380
4278458	4282744	4289558	4298237	4303831	4310391
4278459	4282908	4289797	4298239	4303840	4310392
4278520	4282951	4289845	4298250	4304079	4310405
4278538	4283020	4289933	4298443	4304581	4310474
4278705	4283100	4290034	4298856	4304600	4310722
4278784	4283603	4290182	4298977	4304825	4310726
4278842	4283675	4291198	4299432	4304849	4310727
4278844	4283747	4291199	4299488	4304962	4310729
4278848	4283776	4291200	4299650	4305045	4310881
4278849	4283795	4291247	4299651	4305048	4311065
4278938	4283839	4291298	4299670	4305071	4311537
4278939	4284314	4291322	4300084	4305642	4311874
4278947	4284354	4291323	4300107	4306119	4311878
4278996	4284428	4291327	4300148	4306196	4311880
4279020	4284466	4291405	4300152	4306287	4312069
4279032	4284482	4291841	4300161	4306289	4312716
4279034	4284659	4292260	4300196	4306304	4312732
4279459	4284663	4292341	4300231	4307267	4313060
4279773	4284689	4292480	4300810	4307296	4313085
4279789	4284842	4292512	4300979	4307298	4313096
4279851	4284851	4292604	4300989	4307342	4313125
4280217	4284905	4292677	4301020	4307360	4313173
4280746	4284970	4293907	4301188	4307377	4313197
4280901	4284992	4294008	4301192	4307430	4313211
4281030	4285061	4294480	4301237	4307454	4313225
4281218	4285117	4295005	4301343	4307961	4313394
4281315	4285123	4295176	4301463	4308045	4313645
4281318	4285433	4295188	4301533	4308502	4314092
4281344	4285763	4295219	4301536	4308662	4314211
4281381	4286215	4295226	4302065	4309081	4314350
4281617	4286293	4295596	4302067	4309267	4314358
4281888	4286836	4295696	4302074	4309460	4314855
4282196	4286860	4295702	4302079	4309618	4314875
4282267	4286979	4296282	4302134	4309630	4315107
4282314	4287226	4296337	4302230	4309650	4315222
4282400	4287401	4296374	4302703	4309694	4315227
4282407	4287527	4296454	4302812	4309715	4315262

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REEL: 014490 FRAME: 0248

4315316	4320505	4326261	4333214	4340777	4346145
4315518	4320509	4326805	4333700	4340863	4346375
4316061	4320514	4326911	4333708	4340960	4346385
4316284	4320526	4327172	4333793	4340967	4346396
4316285	4320535	4327288	4333814	4340996	4346437
4316567	4320876	4327340	4334200	4341731	4347069
4316742	4320938	4327411	4334291	4341818	4347431
4316750	4321282	4327530	4334313	4342003	4347552
4316765	4321568	4327617	4334774	4342152	4347656
4316779	4322119	4327966	4334775	4342386	4348078
4316920	4322451	4328046	4334903	4342434	4348263
4317035	4322457	4328087	4334950	4342607	4348550
4317051	4322687	4328394	4334951	4342608	4348720
4317193	4322697	4328489	4335348	4342924	4348735
4317236	4322700	4328613	4335464	4342962	4348772
4317276	4322767	4329659	4336288	4343004	4349162
4317667	4322843	4330093	4336467	4343082	4349236
4317695	4323206	4330360	4336506	4343088	4349411
4317956	4323295	4330637	4336582	4343388	4349587
4317964	4323421	4330683	4336587	4343527	4349589
4318186	4323638	4330722	4336792	4343585	4349700
4318737	4323733	4330744	4337100	4343643	4349702
4318741	4323735	4330759	4337133	4343674	4349704
4318752	4323797	4330764	4337446	4343677	4349751
4318939	4323799	4330862	4337466	4343759	4349753
4318995	4323885	4330935	4337476	4343827	4349776
4319144	4323911	4331462	4337520	4343870	4349796
4319190	4323942	4331831	4337521	4343887	4350404
4319396	4324038	4331913	4338676	4343889	4350513
4319473	4324515	4332341	4339105	4343970	4350904
4319476	4324575	4332433	4339296	4344064	4351030
4319922	4324600	4332440	4339296	4344177	4351689
4319923	4324954	4332474	4339632	4344180	4351697
4319939	4325022	4332677	4339757	4344223	4352449
4319940	4325038	4332833	4340092	4344326	4352479
4319967	4325099	4332839	4340093	4344816	4352537
4320192	4325139	4332881	4340094	4344825	4352566
4320252	4325144	4332984	4340268	4345163	4352784
4320258	4325758	4333044	4340278	4345165	4352785
4320261	4325778	4333097	4340323	4345170	4352835
4320281	4326126	4333121	4340434	4345317	4352870
4320409	4326152	4333156	4340435	4345814	4352958
4320412	4326169	4333213	4340451	4346125	4353081

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PATENT
REEL: 014490 FRAME: 0249

4353086	4358961	4365305	4372645	4376946	4382294
4353128	4359179	4365398	4372771	4377315	4382295
4353469	4359260	4365905	4372830	4377436	4382297
4353559	4359436	4366186	4372834	4377437	4382300
4353614	4359485	4366187	4373018	4377448	4382456
4354054	4359623	4366400	4373114	4377449	4383026
4354057	4359773	4366729	4373118	4377450	4383224
4354062	4360253	4366938	4373121	4377619	4383269
4354122	4360410	4367585	4373138	4377626	4383272
4354254	4360742	4368063	4373204	4377797	4383315
4354276	4360792	4368359	4373207	4377821	4383316
4354898	4360867	4368361	4373210	4377943	4383323
4354911	4360893	4368362	4373258	4378296	4383357
4354995	4360894	4368543	4373656	4378462	4383495
4355202	4360964	4369099	4373658	4378505	4383843
4355240	4360968	4369340	4373681	4378508	4383885
4355302	4360995	4369514	4373990	4378599	4384175
4355314	4361461	4369944	4373991	4378628	4384217
4355373	4361643	4370294	4374159	4379003	4384266
4355399	4361661	4370355	4374161	4379179	4384273
4355411	4361721	4370359	4374304	4379205	4384278
4356353	4361731	4370521	4374390	4379210	4384323
4356505	4361749	4370525	4374391	4379609	4384355
4356559	4361862	4370568	4374436	4379616	4384362
4356905	4361875	4370640	4374795	4379738	4384364
4357069	4361892	4370695	4374867	4379771	4384398
4357179	4362597	4370743	4374869	4380364	4384402
4357251	4362783	4370745	4375012	4380431	4384431
4357399	4362943	4371013	4375033	4380490	4384658
4357493	4363102	4371755	4375083	4380518	4384687
4357496	4363449	4371758	4375581	4380734	4384760
4357572	4363827	4371789	4375606	4380810	4384893
4357601	4363867	4371843	4375619	4380865	4384939
4357675	4364052	4371886	4375719	4381134	4385207
4357682	4364625	4371887	4376017	4381138	4385208
4357683	4364778	4371919	4376018	4381139	4385212
4357684	4364779	4372044	4376138	4381420	4385718
4357701	4364788	4372105	4376231	4381441	4385915
4357754	4365111	4372511	4376308	4381546	4385946
4358178	4365119	4372519	4376309	4381560	4385966
4358662	4365156	4372535	4376505	4381951	4386239
4358690	4365160	4372641	4376584	4382120	4386242
4358783	4365222	4372643	4376940	4382164	4386282

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PATENT
 REEL: 014490 FRAME: 0250

4386402	4392181	4396994	4400774	4406712	4412350
4386429	4392231	4397020	4400788	4407054	4412502
4386459	4392298	4397084	4400813	4407061	4412642
4386460	4392301	4397341	4400814	4407392	4412672
4387276	4393111	4397385	4400828	4407406	4412683
4387458	4393276	4397711	4400867	4407556	4412722
4387508	4393311	4397724	4400874	4407562	4412853
4387863	4393312	4398063	4401267	4407849	4413159
4388029	4393456	4398147	4401482	4407933	4413263
4388351	4393497	4398284	4401483	4408130	4413308
4388382	4393518	4398287	4401524	4408248	4414066
4388383	4393582	4398297	4401854	4408272	4414537
4388595	4393917	4398299	4401860	4408323	4414538
4388626	4394183	4398628	4401861	4408331	4414561
4388697	4394237	4398779	4402008	4408443	4414580
4388720	4394545	4398824	4402039	4408753	4414628
4388730	4394602	4398972	4402063	4408819	4414842
4389229	4394620	4399004	4402393	4408914	4415062
4389231	4394647	4399097	4402450	4409042	4415220
4389291	4394707	4399323	4402998	4409263	4415228
4389672	4394743	4399402	4403139	4409318	4415229
4389720	4394756	4399417	4403241	4410223	4415380
4389771	4395028	4399448	4403287	4410239	4415414
4390120	4395219	4399500	4403298	4410344	4415773
4390137	4395294	4399516	4403320	4410561	4415779
4390225	4395593	4399532	4403348	4410850	4415803
4390236	4395594	4399536	4403351	4410867	4415872
4390357	4395599	4399539	4403826	4410894	4415901
4390379	4395637	4399555	4403949	4410986	4415961
4390589	4395675	4399602	4404072	4411000	4416007
4390843	4395765	4399608	4404172	4411060	4416015
4390871	4395769	4399609	4404234	4411495	4416016
4390889	4395770	4399610	4404544	4411731	4416057
4390897	4395772	4400052	4404556	4411733	4416516
4391038	4396111	4400060	4404720	4412094	4417102
4391220	4396140	4400235	4404882	4412123	4417162
4391516	4396239	4400445	4405233	4412184	4417337
4391656	4396443	4400461	4405701	4412307	4417348
4391657	4396704	4400624	4405840	4412313	4417478
4391683	4396796	4400627	4405983	4412322	4417692
4391901	4396801	4400631	4406516	4412326	4417778
4392031	4396809	4400663	4406545	4412327	4417786
4392083	4396989	4400712	4406709	4412341	4418312

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PATENT
REEL: 014490 FRAME: 0251

4418371	4423125	4429189	4435199	4441124	4448379
4418416	4423292	4429190	4435258	4441183	4448472
4418465	4423330	4429191	4435809	4441188	4448479
4418906	4423589	4429192	4435836	4441189	4448485
4418971	4424096	4429193	4435895	4441249	4448524
4418976	4424174	4429231	4435896	4441309	4449017
4419115	4424241	4429238	4436365	4441391	4449102
4419148	4424418	4429256	4436474	4441931	4449174
4419201	4424479	4429271	4436648	4442402	4449190
4419304	4424544	4429282	4436958	4442437	4449197
4419417	4424565	4429298	4436960	4442529	4449238
4419542	4424617	4429391	4436962	4442540	4449282
4419557	4424899	4429454	4436963	4442582	4450333
4419562	4425074	4429933	4437087	4443305	4450565
4419623	4425196	4430255	4437148	4443532	4450620
4419632	4425292	4430385	4437229	4443586	4451104
4419671	4425474	4430526	4437362	4443667	4451704
4419707	4425482	4430583	4437605	4443809	4451705
4419723	4425566	4430585	4437717	4443876	4451747
4419728	4425618	4430601	4437948	4443882	4451773
4419756	4425664	4430663	4438247	4444620	4451947
4419757	4425708	4430670	4438298	4444848	4451948
4420125	4425775	4430726	4438446	4445008	4452168
4420206	4426246	4430734	4438447	4445213	4453133
4420724	4426255	4430837	4438450	4445218	4453306
4420732	4426656	4431474	4438504	4445355	4453414
4420771	4426722	4432087	4438530	4445360	4453805
4420879	4426729	4432132	4439007	4445980	4454001
4420880	4427464	4432604	4439265	4446336	4454010
4421265	4427469	4432607	4439268	4446341	4454221
4421266	4427502	4432663	4439467	4446402	4454383
4421368	4427516	4433075	4439632	4446422	4454477
4421374	4427998	4433331	4439691	4446686	4454479
4421786	4428044	4433477	4439748	4446689	4454506
4421814	4428092	4433970	4439759	4447109	4454566
4421951	4428111	4434012	4439760	4447124	4454586
4421957	4428644	4434120	4439761	4447125	4454593
4422141	4428761	4434327	4439763	4447127	4454809
4422159	4428762	4434378	4439773	4447675	4455351
4422179	4428773	4434405	4439870	4447744	4455643
4422235	4428779	4434449	4439918	4447822	4455741
4422652	4428815	4434497	4440985	4447905	4456499
4422898	4429185	4435040	4441080	4447948	4456790

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PATENT
REEL: 014490 FRAME: 0252

4456792	4462938	4468857	4475047	4479226	4484187
4456793	4463431	4469554	4475189	4479922	4484197
4456876	4463445	4469564	4475190	4479984	4484260
4456996	4464013	4470112	4475191	4479991	4484274
4457004	4464022	4470190	4475192	4480014	4484323
4457951	4464211	4470368	4475213	4480152	4484324
4458247	4464227	4470552	4475227	4480178	4484326
4458288	4464342	4470830	4475685	4480898	4484330
4458310	4464545	4470875	4475961	4480990	4484963
4458314	4464650	4470894	4475983	4481049	4484979
4458356	4464658	4471005	4476349	4481091	4485290
4458968	4464681	4471038	4476350	4481251	4485370
4459194	4464762	4471164	4476448	4481383	4485440
4459320	4464767	4471310	4476458	4481467	4485468
4459436	4464879	4471331	4476477	4481577	4485469
4459658	4465708	4471367	4476484	4481583	4485484
4459892	4465968	4471370	4476557	4481624	4485550
4460236	4466060	4471524	4476559	4481631	4485553
4460241	4466689	4471931	4477141	4481645	4486071
4460327	4466791	4472026	4477244	4482197	4486214
4460421	4466852	4472212	4477273	4482204	4486274
4460430	4466864	4472218	4477298	4482413	4486626
4460434	4466872	4472237	4477308	4482423	4486740
4460806	4466989	4472596	4477580	4482424	4486765
4460807	4467147	4472602	4477697	4482442	4486833
4460808	4467149	4472712	4477780	4482443	4486856
4460897	4467344	4472727	4477782	4482863	4486861
4460976	4467441	4472784	4477824	4482897	4486876
4460988	4467468	4472798	4477897	4482898	4486877
4460994	4467523	4472801	4477964	4482899	4486884
4461013	4467891	4472832	4478103	4482977	4486900
4461073	4468069	4472875	4478488	4482997	4487464
4461197	4468086	4473433	4478650	4482998	4487641
4461535	4468118	4473455	4478691	4483003	4487828
4461670	4468296	4473719	4479066	4483012	4488002
4461934	4468438	4473794	4479092	4483725	4488004
4462004	4468528	4473835	4479115	4483808	4488006
4462016	4468612	4473942	4479122	4483898	4488038
4462077	4468640	4474423	4479195	4484030	4488066
4462555	4468641	4474424	4479196	4484089	4488111
4462580	4468672	4474593	4479211	4484105	4488164
4462686	4468701	4474830	4479212	4484119	4488175
4462860	4468728	4475010	4479216	4484179	4488218

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(Final Version)

PATENT
REEL: 014490 FRAME: 0253

4488229	4493029	4498173	4503676	4510346	4514756
4488230	4493031	4498182	4504008	4510348	4514843
4488243	4493053	4498186	4504297	4510351	4514845
4488267	4493073	4498451	4504299	4510514	4514893
4488288	4493077	4498767	4504427	4510550	4514896
4488289	4493094	4498953	4504898	4510594	4515297
4488294	4493113	4499162	4504902	4510595	4515354
4488295	4493142	4499455	4504922	4510596	4515429
4488302	4493747	4499532	4504944	4511201	4515436
4488355	4493754	4499551	4504949	4511445	4515484
4488662	4494033	4499555	4504952	4511757	4515612
4489102	4494144	4499576	4504955	4511859	4516037
4489310	4494193	4499577	4505035	4511969	4516070
4489386	4494220	4499578	4505184	4512011	4516123
4489418	4494230	4500149	4505548	4512013	4516130
4489488	4494239	4500367	4506165	4512016	4516136
4489508	4494242	4500394	4506231	4512017	4516140
4490230	4494303	4500481	4506310	4512022	4516214
4490582	4494815	4500628	4506346	4512034	4516216
4490681	4494816	4500844	4506358	4512509	4516238
4490689	4495007	4500859	4506785	4512627	4516239
4490817	4495022	4500960	4506938	4512630	4516241
4491492	4495255	4500985	4506955	4512707	4516250
4491499	4495396	4500995	4507008	4512941	4516258
4491509	4495472	4501003	4507330	4512944	4516318
4491691	4495494	4501060	4507362	4512963	4516737
4491701	4495515	4501368	4507401	4513281	4516739
4491848	4495565	4501442	4507648	4513411	4516787
4491945	4495619	4501935	4507760	4513412	4516826
4491947	4495620	4502116	4507776	4513426	4516922
4491953	4495648	4502209	4507783	4513432	4517513
4491982	4495620	4502215	4508688	4513498	4517680
4492428	4496425	4502655	4508758	4513852	4518085
4492436	4496432	4502745	4508937	4513855	4518455
4492463	4496448	4502785	4509019	4514027	4518456
4492466	4496797	4502898	4509098	4514100	4518469
4492652	4497683	4503090	4509120	4514130	4518830
4492824	4497979	4503283	4509145	4514250	4518870
4492825	4498001	4503289	4509167	4514436	4518921
4492852	4498093	4503435	4509171	4514647	4518926
4492876	4498122	4503490	4509187	4514728	4518934
4492935	4498128	4503545	4509647	4514748	4518950
4492971	4498146	4503609	4510176	4514749	4519024

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(Final Version)

PATENT
 REEL: 014490 FRAME: 0254

4519032	4525860	4532477	4536940	4541970	4547877
4519073	4526043	4532626	4537461	4541980	4547960
4519084	4526599	4532697	4537498	4542006	4548341
4519094	4526810	4532953	4537663	4542083	4548883
4519132	4527080	4533207	4537799	4542304	4549308
4519552	4527218	4533378	4537813	4542375	4549782
4519671	4527267	4533570	4538021	4542380	4549788
4520437	4527731	4533795	4538030	4542439	4549807
4520477	4528464	4533833	4538156	4542458	4549914
4520490	4528521	4533877	4538224	4542483	4550074
4521272	4528615	4533919	4538271	4542497	4550224
4521274	4528670	4534003	4538342	4542502	4550249
4521739	4528681	4534023	4538351	4542504	4550256
4521755	4528747	4534024	4538771	4542534	4550284
4521828	4529116	4534040	4538782	4543524	4550397
4521880	4529262	4534103	4539226	4543627	4550401
4521886	4529271	4534254	4539434	4543651	4550404
4522148	4529299	4534586	4539437	4543713	4550415
4522459	4529353	4534776	4539445	4544234	4550432
4522842	4529426	4535198	4539552	4544438	4550436
4523140	4529427	4535199	4539554	4544804	4550975
4523162	4529455	4535206	4539635	4544878	4551185
4523183	4529839	4535338	4539637	4544916	4551416
4523311	4529840	4535352	4539652	4544950	4551580
4523315	4529842	4535360	4539676	4545024	4551581
4523498	4529847	4535445	4539686	4545043	4551670
4523712	4529889	4535448	4539687	4545053	4551674
4523961	4529942	4535454	4539743	4545520	4551833
4523972	4530049	4535455	4539748	4545542	4551838
4524247	4530071	4535472	4539776	4545636	4552578
4524321	4530091	4535476	4540030	4545644	4552818
4524412	4530092	4535532	4540229	4545713	4553155
4524440	4530095	4535535	4540453	4545761	4553706
4524516	4530139	4536052	4540476	4546216	4553810
4525087	4531024	4536229	4540846	4546244	4554045
4525538	4531106	4536622	4540850	4546276	4554047
4525687	4531110	4536696	4540950	4546468	4554048
4525716	4531154	4536703	4540952	4546475	4554050
4525776	4531176	4536706	4541034	4546543	4554078
4525789	4531209	4536715	4541056	4547042	4554229
4525795	4531277	4536741	4541078	4547089	4554412
4525846	4532005	4536826	4541685	4547246	4554417
4525847	4532377	4536939	4541771	4547644	4554515

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(Final Version)

PATENT
REEL: 014490 FRAME: 0255

4554530	4558812	4568801	4575646	4580267	4585961
4554537	4558921	4568844	4575648	4580279	4586073
4554631	4559609	4568982	4575845	4580873	4586120
4554642	4560420	4569032	4575859	4581529	4586242
4554656	4560837	4569042	4575860	4581545	4586608
4554659	4561090	4569445	4575919	4581601	4587517
4554726	4561102	4569701	4576691	4581691	4587545
4555105	4561726	4569704	4577065	4581735	4587632
4555175	4561913	4569718	4577066	4581737	4587656
4555301	4562312	4569722	4577068	4581746	4587670
4555591	4562436	4570058	4577119	4581747	4588348
4555594	4562538	4570080	4577169	4581758	4588904
4555598	4562548	4570121	4577190	4581814	4588928
4555622	4563276	4570176	4577207	4582245	4588940
4555774	4563540	4570338	4577209	4582390	4588941
4555790	4563547	4570930	4577214	4582439	4588946
4555842	4563661	4571014	4577274	4582480	4588961
4555954	4563671	4571104	4577276	4582564	4589011
4556189	4563774	4571506	4577287	4582667	4589018
4556276	4563811	4571576	4577308	4582956	4589110
4556314	4564110	4571818	4577312	4582959	4589729
4556362	4564562	4571824	4577314	4583007	4589928
4556790	4564857	4571826	4577330	4583037	4590388
4556841	4564946	4572972	4578098	4583068	4590432
4556869	4564952	4573030	4578101	4583157	4590470
4556903	4565314	4573038	4578127	4583182	4590507
4556972	4565903	4573065	4578253	4583218	4590583
4557411	4565974	4573099	4578540	4583219	4591392
4557514	4566007	4573156	4578630	4583226	4591660
4557557	4566094	4573163	4578704	4583228	4591665
4557560	4566171	4573205	4578736	4583237	4591669
4557782	4566726	4573255	4578751	4583372	4591803
4558174	4566834	4574031	4578761	4583485	4591889
4558180	4566953	4574093	4578796	4583539	4591963
4558184	4567323	4574166	4579622	4583674	4592019
4558229	4567325	4574236	4579752	4583708	4592043
4558239	4567333	4574249	4579807	4583954	4592044
4558272	4567581	4574254	4580017	4584241	4592048
4558317	4567595	4574350	4580103	4584441	4592064
4558390	4567604	4574374	4580105	4585351	4592927
4558444	4568016	4574379	4580156	4585931	4592955
4558449	4568056	4575187	4580188	4585956	4592959
4558581	4568414	4575583	4580218	4585958	4593191

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(Final Version)

PATENT
REEL: 014490 FRAME: 0256

4593271	4600929	4608473	4615001	4622673	4630886
4593272	4600951	4608586	4615032	4623129	4630890
4593282	4600967	4608590	4615038	4623257	4631079
4593318	4601035	4608688	4615586	4623373	4631355
4594088	4601542	4608693	4616172	4623760	4631362
4594380	4601543	4608697	4616205	4623786	4631363
4594477	4601544	4609778	4616247	4623888	4631364
4594479	4601740	4610032	4616414	4623912	4631471
4594490	4601888	4610084	4616659	4623960	4631534
4594763	4601972	4610731	4616901	4624302	4631545
4595289	4602128	4610909	4617192	4625078	4631566
4595431	4602207	4610932	4617477	4625114	4631574
4595454	4602268	4611130	4617608	4625270	4631734
4595793	4602370	4611280	4617663	4626066	4631738
4595794	4602494	4611322	4617676	4626075	4631804
4595874	4602854	4611347	4617708	4626103	4632476
4595945	4604027	4611385	4618194	4626634	4632552
4595981	4604119	4611845	4618211	4626739	4633041
4595995	4604144	4611875	4618212	4627019	4633193
4596010	4604150	4611886	4618787	4627030	4633311
4596024	4604500	4612145	4618815	4627032	4633412
4596907	4604624	4612233	4618867	4627048	4633461
4597068	4605323	4612407	4618972	4627065	4633465
4597165	4605428	4612414	4618975	4627077	4633467
4597420	4605605	4612416	4619842	4627080	4633485
4597623	4605818	4612417	4620066	4627150	4633524
4597626	4605844	4612509	4620118	4627161	4633571
4597638	4605942	4612518	4620132	4627942	4634043
4597985	4605999	4612564	4620854	4628022	4634205
4598039	4606024	4612659	4620958	4628157	4634214
4598285	4606043	4613209	4621244	4628158	4634474
4598358	4606046	4613417	4621257	4628446	4634895
4598363	4606054	4613521	4621357	4628513	4634997
4598590	4606069	4613783	4621782	4628992	4635187
4599490	4606805	4613861	4622092	4629832	4635249
4599526	4607173	4613891	4622093	4629910	4635251
4599632	4607259	4613955	4622114	4630099	4635263
4599709	4607260	4613987	4622239	4630198	4635275
4599719	4607272	4613990	4622519	4630256	4635276
4599728	4607332	4614389	4622578	4630259	4635855
4599791	4607384	4614399	4622670	4630260	4636033
4600522	4607384	4614433	4622671	4630286	4636080
4600812	4608455	4614841	4622672	4630287	4636268

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(Final Version)

PATENT
REEL: 014490 FRAME: 0257

4636403	4643752	4649523	4656661	4669694	4679061
4636584	4643804	4649670	4656730	4670086	4679132
4636939	4644101	4650269	4657346	4670670	4679171
4637035	4644437	4650933	4658219	4670770	4679172
4637037	4644472	4651011	4658260	4670837	4679186
4637067	4644522	4651103	4658333	4670871	4679189
4637129	4644527	4651133	4658394	4671621	4679232
4637685	4644528	4651134	4658421	4672158	4679890
4637989	4644533	4651203	4659175	4672198	4680084
4638259	4644537	4651316	4660166	4672243	4680241
4638274	4644562	4651318	4660177	4672299	4680563
4638401	4644568	4651320	4660208	4672427	4680786
4638483	4644576	4651418	4660979	4672518	4680810
4638559	4644639	4651652	4661375	4672604	4681208
4638762	4645116	4651673	4661829	4672654	4681773
4639074	4645298	4652701	4661922	4672658	4682180
4639615	4645523	4652733	4661947	4674085	4682284
4639781	4645687	4652757	4661961	4674114	4682354
4639914	4645689	4652775	4661974	4674166	4682358
4639934	4645871	4652973	4661993	4675089	4683024
4640032	4645874	4653043	4662572	4675715	4683563
4640992	4645948	4653045	4662713	4675717	4683578
4641102	4646101	4653048	4662983	4675808	4683584
4641179	4646123	4653085	4663519	4675848	4684195
4641218	4646229	4653177	4663583	4675862	4684198
4641266	4646287	4653606	4663766	4675906	4684883
4641299	4646325	4653682	4664480	4676594	4684971
4641420	4646332	4653823	4665148	4676841	4685041
4641917	4646348	4654111	4665414	4676847	4685123
4642424	4646347	4654654	4665514	4676869	4685125
4642550	4646419	4654807	4665545	4677322	4685129
4642630	4647514	4654820	4665547	4677323	4686550
4642670	4647719	4654845	4665548	4677423	4686620
4642728	4647941	4654863	4666234	4677430	4686689
4642755	4647957	4656091	4666247	4677545	4686701
4642758	4647991	4656366	4666820	4677609	4687682
4642799	4648036	4656436	4667149	4677616	4688160
4642873	4648100	4656437	4667311	4677624	4688209
4642890	4648547	4656622	4667331	4677625	4688214
4643499	4649296	4656623	4667870	4677626	4688875
4643521	4649298	4656624	4668880	4677632	4688885
4643532	4649468	4656627	4668927	4678073	4688939
4643598	4649522	4656658	4669090	4678891	4689065

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PATENT
REEL: 014490 FRAME: 0258

4689115	4697284	4704641	4713105	4724278	4731814
4689125	4698618	4704670	4713564	4725112	4731822
4689631	4698752	4704671	4713758	4725114	4731834
4689815	4698769	4704675	4713806	4725120	4731843
4689866	4698802	4704716	4713834	4725249	4731878
4690715	4698804	4704722	4714440	4725330	4731880
4690726	4698820	4705322	4715044	4725694	4731924
4691091	4698915	4705344	4715049	4725834	4732821
4691215	4699443	4705823	4715672	4725870	4733047
4691220	4699452	4705942	4716050	4725877	4733291
4691331	4699454	4705970	4716130	4725965	4733325
4691346	4699456	4706056	4716376	4726017	4733823
4691347	4699464	4706208	4716449	4726019	4733940
4691363	4700210	4706240	4716453	4726037	4734380
4691986	4700320	4706281	4716561	4726043	4734753
4691989	4700340	4707078	4717066	4726057	4734854
4691990	4700382	4707174	4717243	4726677	4734908
4692349	4700541	4707197	4718120	4727534	4734920
4692564	4701011	4707219	4718862	4727537	4734931
4692604	4701016	4707689	4719124	4727538	4736071
4692637	4701030	4707694	4719274	4727553	4736119
4692895	4701224	4708726	4719496	4727575	4736269
4692918	4701342	4708884	4719591	4727577	4736293
4692921	4701347	4709374	4719602	4728168	4736364
4693408	4701721	4709377	4719923	4728864	4736389
4694196	4701904	4709390	4720402	4728908	4736393
4694318	4701906	4709413	4720431	4729043	4736402
4694328	4701909	4710605	4720643	4729551	4736404
4694472	4701954	4710650	4720741	4729968	4736415
4694487	4701995	4710697	4720850	4730105	4736419
4694561	4703166	4710760	4720854	4730198	4736462
4695332	4703288	4710761	4721357	4730304	4737004
4695762	4703416	4710846	4721910	4730305	4737007
4695836	4703474	4710891	4722587	4730310	4737112
4695969	4703475	4710926	4723238	4730345	4737208
4695977	4703477	4710954	4723273	4730888	4737233
4696000	4703993	4711053	4723316	4730894	4737857
4696438	4703996	4711118	4723317	4731293	4737929
4697051	4704499	4711515	4723321	4731590	4737958
4697105	4704547	4711997	4723361	4731663	4737960
4697175	4704550	4712077	4723831	4731702	4737971
4697188	4704606	4712236	4724030	4731747	4738055
4697264	4704622	4712858	4724222	4731785	4738507

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PATENT
REEL: 014490 FRAME: 0259

4738508	4745593	4754479	4763014	4773034	4785192
4738625	4745603	4754481	4763019	4773687	4785244
4738934	4745607	4755016	4763183	4773750	4785345
4739128	4746902	4755629	4763317	4774101	4785408
4739196	4747040	4755715	4763353	4774188	4785454
4739253	4747127	4755794	4763412	4774496	4786616
4739385	4747130	4755860	4763829	4774554	4786839
4739509	4747657	4755867	4763978	4774635	4786884
4740261	4748351	4755963	4764246	4774661	4786910
4740430	4748450	4755964	4764889	4775401	4787082
4740433	4748620	4755995	4764890	4775640	4787086
4740957	4748639	4756005	4764919	4775953	4787689
4740975	4748653	4756590	4764941	4775971	4787692
4740987	4748656	4756606	4764950	4775975	4787693
4740992	4749248	4757232	4764963	4776006	4787698
4741026	4749255	4757264	4765706	4776674	4787706
4741038	4749660	4757526	4765712	4777146	4787714
4741587	4749850	4757529	4766090	4778099	4787759
4742020	4750025	4758947	4766534	4778635	4788117
4742224	4750136	4758974	4766592	4779088	4788510
4742233	4750801	4759018	4767181	4779350	4788657
4742234	4751194	4759036	4767196	4779946	4788693
4742308	4751378	4759037	4767429	4780696	4788694
4742380	4751458	4759039	4767695	4780748	4788697
4742518	4751555	4759374	4767812	4780870	4788715
4742548	4751607	4759491	4769341	4780884	4788719
4742577	4751675	4759667	4769689	4781433	4789825
4743085	4751697	4760437	4769810	4781743	4789980
4744023	4751727	4760442	4769811	4782034	4789983
4744026	4752590	4760512	4769815	4782253	4789984
4744027	4752906	4760543	4769833	4782460	4789994
4744028	4752924	4760570	4769834	4782508	4790003
4744048	4752943	4761053	4770481	4782516	4790004
4744092	4753859	4761168	4770494	4782521	4790008
4744105	4754131	4761620	4771232	4783602	4790017
4744631	4754132	4761732	4771325	4783804	4790619
4745299	4754169	4761751	4771465	4783809	4791072
4745388	4754185	4761788	4772084	4784613	4791395
4745446	4754370	4761800	4772123	4784719	4791628
4745447	4754384	4762384	4772860	4784967	4791640
4745449	4754386	4762387	4772866	4784971	4791654
4745548	4754451	4762802	4772924	4785139	4791660
4745567	4754452	4763013	4772934	4785156	4791662

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USE PURSUANT TO COMPANY INSTRUCTIONS

(Final Version)

PATENT
REEL: 014490 FRAME: 0260

4791665	4800415	4811087	4820007	4829343	4841630
4793052	4800485	4811112	4820016	4829347	4842368
4793683	4800488	4811164	4820017	4829349	4842370
4794091	4800555	4811216	4820192	4829465	4842626
4794351	4800573	4811280	4820321	4829520	4843191
4794440	4801765	4811335	4820322	4829580	4843264
4794559	4802080	4811357	4820376	4830444	4843581
4794623	4802180	4811410	4820653	4830451	4843712
4794642	4802199	4812009	4821089	4830463	4844575
4795119	4802220	4812101	4821179	4830976	4844508
4795659	4802227	4812153	4821185	4830982	4844776
4795693	4802723	4812217	4821258	4831382	4845637
4795898	4802726	4812794	4821259	4831628	4845744
4795920	4803540	4813066	4821286	4831635	4845748
4795976	4803730	4814243	4821297	4831637	4846032
4796003	4804238	4814291	4821325	4831696	4847864
4796020	4805094	4814962	4821948	4832789	4847875
4796150	4805106	4814974	4822754	4833463	4847897
4796254	4805166	4815041	4822956	4833690	4847906
4796279	4805170	4815103	4822992	4834496	4848687
4796996	4805178	4815105	4823029	4835057	4849579
4797386	4806107	4815136	4823249	4835078	4849645
4797541	4806801	4815137	4823256	4835113	4849684
4797622	4806996	4815779	4823338	4835421	4849751
4797720	4806997	4815813	4824377	4835437	4849799
4797815	4806999	4816421	4824796	4835584	4849851
4797877	4807013	4816811	4824804	4835585	4849874
4797878	4807108	4816846	4825174	4835737	4849877
4797879	4807222	4817081	4825176	4835779	4849964
4797882	4807225	4817082	4825265	4836640	4849977
4797904	4807228	4817083	4825278	4837129	4850007
4797910	4807241	4817086	4825354	4837507	4850036
4797915	4807253	4817279	4825459	4837609	4850670
4797926	4807961	4818058	4826272	4837807	4851165
4798322	4807962	4818060	4826278	4838347	4851370
4798346	4808810	4818311	4826282	4839309	4851714
4798641	4808263	4818713	4826709	4839907	4851895
4798923	4808270	4818721	4827428	4840449	4852127
4799217	4810049	4818824	4827499	4840653	4852180
4799255	4810325	4818929	4827501	4841240	4852960
4800051	4810395	4818984	4827517	4841295	4852963
4800262	4810557	4819039	4828358	4841433	4852965
4800301	4810768	4819658	4829172	4841500	4852968

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PATENT
REEL: 014490 FRAME: 0261

4853655	4866588	4873833	4885749	4895437	4901348
4853753	4866647	4874219	4886332	4895813	4901368
4853758	4866656	4874463	4886765	4896093	4902086
4853889	4866685	4875037	4887053	4896108	4902237
4853956	4866708	4875183	4887079	4896264	4902631
4855996	4866758	4875206	4887135	4896319	4902644
4856091	4866763	4875916	4887233	4896346	4902857
4856866	4867523	4875952	4887288	4896350	4902912
4858168	4867526	4876303	4888226	4896937	4902913
4859023	4867539	4876457	4888450	4896938	4903092
4859820	4868093	4876717	4888624	4896940	4903181
4859827	4868824	4877645	4889402	4897361	4903182
4859876	4868889	4877952	4890271	4897520	4903399
4860009	4870029	4877971	4890322	4897711	4904036
4860064	4870032	4878198	4890328	4897798	4904042
4860068	4870117	4878295	4891480	4897863	4904043
4860085	4870497	4878611	4891580	4897866	4904045
4860163	4870637	4878726	4891746	4897867	4904050
4860284	4870649	4878956	4891803	4897874	4904087
4860296	4870675	4879256	4891840	4898444	4904858
4860358	4870679	4879507	4891843	4898446	4904859
4860903	4871105	4879519	4892374	4898547	4905063
4861126	4871235	4879728	4892617	4899306	4905073
4861134	4871420	4879743	4892635	4899333	4905228
4861136	4872157	4879748	4892795	4899335	4905231
4861277	4872158	4879763	4893071	4899358	4905253
4861278	4872159	4880202	4893270	4899375	4905255
4861393	4872160	4880291	4893300	4899385	4905274
4861976	4872163	4880396	4893302	4900124	4905285
4862315	4872168	4880771	4893336	4900126	4907259
4862464	4872205	4881059	4893886	4900214	4908772
4862498	4872738	4881790	4893893	4900879	4908833
4863235	4872895	4881792	4894526	4900917	4908935
4864561	4873393	4883335	4894583	4901013	4909592
4864612	4873492	4883352	4894620	4901040	4909816
4864617	4873524	4884119	4894633	4901121	4910359
4864824	4873558	4885219	4894689	4901189	4910452
4865408	4873566	4885435	4894703	4901231	4910669
4865411	4873577	4885480	4894749	4901260	4910777
4865564	4873663	4885551	4894773	4901271	4910781
4866501	4873716	4885686	4894822	4901306	4911519
4866510	4873717	4885738	4894823	4901331	4911798
4866587	4873762	4885741	4894824	4901346	4911799

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PATENT
REEL: 014490 FRAME: 0262

4912347	4918733	4928527	4939509	4947425	4959623
4912431	4919509	4929064	4939555	4947980	4959845
4912523	4919748	4929845	4939727	4948407	4959852
4912706	4920322	4930061	4939736	4949350	4959856
4912722	4920530	4930072	4939748	4950049	4959857
4912764	4920534	4930131	4939752	4950176	4960315
4913508	4920899	4930857	4939775	4950977	4960612
4913517	4921160	4931670	4940307	4952014	4960656
4913659	4921321	4931959	4940381	4952017	4961186
4913859	4922245	4932020	4941154	4952226	4961619
4914081	4922251	4932021	4941729	4952524	4962497
4914177	4922311	4932030	4941738	4952554	4962498
4914286	4922325	4932032	4941795	4952791	4962499
4914430	4922417	4932050	4941905	4952792	4962905
4914443	4922480	4932739	4942442	4952862	4962985
4914500	4922486	4932745	4942574	4953106	4962992
4914502	4922490	4932989	4943540	4953157	4963161
4914559	4922515	4932990	4943557	4953158	4963832
4914563	4922519	4933297	4943855	4953159	4964020
4914570	4923271	4933317	4943909	4953170	4965091
4914580	4923301	4933542	4943973	4953198	4965094
4914615	4923521	4933967	4943995	4953204	4965208
4914648	4923561	4934785	4943999	4953206	4965665
4914650	4923564	4934818	4944029	4953460	4965775
4914653	4923739	4935094	4944838	4954453	4965796
4914666	4924195	4935376	4944916	4955016	4965932
4914667	4924386	4935382	4944979	4955017	4966431
4914692	4924459	4935928	4945393	4955021	4966433
4914866	4924464	4935954	4945400	4955028	4966446
4915472	4924480	4937643	4946236	4955688	4966447
4915651	4924491	4937653	4946237	4955976	4966645
4915716	4924492	4937660	4946542	4956698	4966885
4915805	4924510	4937771	4946544	4956871	4967068
4916522	4924516	4937814	4946549	4957526	4967168
4916691	4925407	4937817	4947061	4957829	4968339
4916705	4926221	4937819	4947112	4958115	4968644
4917456	4926384	4937870	4947134	4958226	4969185
4917475	4926429	4937872	4947228	4958341	4969676
4918031	4926538	4938552	4947335	4958343	4969706
4918396	4926545	4938560	4947389	4958903	4970381
4918643	4927227	4938847	4947400	4959129	4970717
4918685	4927590	4939102	4947413	4959534	4970723
4918719	4928266	4939474	4947421	4959555	4971418

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PATENT
REEL: 014490 FRAME: 0263

4971419	4979234	4989022	4999627	5004321	5012245
4971614	4979389	4989199	4999687	5004325	5012319
4972106	4979664	4989201	4999694	5004433	5012466
4972162	4979795	4989936	4999697	5005170	5012484
4972453	4980007	4990802	4999705	5005171	5012486
4972465	4980252	4990989	4999743	5005175	5012490
4972485	4980301	4991062	4999808	5005212	5012512
4972490	4980304	4991168	4999829	5005284	5013119
4972514	4980314	4991171	4999830	5006504	5013130
4973120	4980767	4991176	4999832	5007046	5013685
4973126	4980778	4991179	4999842	5007059	5013691
4973127	4980892	4991975	4999843	5007067	5013903
4973343	4980906	4992394	4999907	5007076	5014162
4973922	4980971	4992623	5000532	5007093	5014262
4973961	4981335	4992848	5000536	5007102	5014265
4974044	4981341	4993014	5000541	5007106	5014266
4974256	4981550	4993015	5000771	5007520	5014286
4974926	4981770	4993016	5000772	5007741	5014413
4974930	4981811	4993047	5000795	5008217	5015063
4974931	4982139	4994349	5001304	5008644	5015068
4975389	4982190	4995057	5001439	5008672	5015508
4975829	4982262	4995075	5001443	5008717	5016012
4975972	4982325	4995104	5001474	5008777	5016076
4976596	4982333	4995149	5001534	5008881	5016081
4977103	4982349	4995686	5001561	5008903	5016243
4977582	4982421	4995690	5001701	5008930	5016271
4977934	4982428	4995695	5001702	5008935	5016952
4978189	4983804	4995815	5001706	5008958	5016968
4978423	4984268	4996136	5001710	5009477	5017155
4978712	4984272	4996167	5001720	5009724	5017263
4978842	4984298	4996189	5001742	5010306	5017799
4978907	4984864	4996576	5001766	5010374	5017807
4978910	4985371	4996704	5002350	5010554	5017815
4978915	4985373	4996705	5002631	5010574	5017885
4979049	4986761	4997500	5002898	5011254	5017889
4979163	4987471	4997994	5003361	5011260	5017917
4979164	4988209	4998793	5003451	5011416	5017986
4979165	4988311	4998796	5003466	5011418	5018129
4979174	4988405	4999315	5003535	5011792	5018157
4979184	4988587	4999317	5003546	5011794	5018184
4979206	4988834	4999485	5003574	5011823	5018187
4979211	4988875	4999507	5003577	5012142	5018938
4979228	4988993	4999529	5003595	5012233	5020003

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PATENT
REEL: 014490 FRAME: 0264

5020049	5025211	5034944	5043982	5052000	5063473
5020050	5025258	5034975	5043983	5052015	5063501
5020054	5025300	5035169	5043986	5052025	5063502
5020055	5025423	5036023	5043992	5052031	5063503
5020059	5025456	5036378	5044010	5053383	5063504
5020098	5026411	5036452	5044113	5053852	5063564
5020112	5026666	5036512	5044724	5054035	5063569
5020123	5027079	5037180	5044990	5054050	5063578
5020153	5027083	5037476	5045249	5055795	5063585
5020875	5027330	5037763	5045364	5055971	5063586
5021072	5027353	5038209	5045486	5056088	5063592
5021302	5027358	5038307	5045898	5056098	5064051
5021362	5027362	5038315	5046100	5056101	5064136
5021630	5027435	5039190	5046183	5056112	5064490
5021997	5027436	5039195	5046658	5056117	5064497
5022053	5027935	5039325	5046800	5056889	5064685
5022070	5028892	5039578	5047369	5057186	5065050
5022730	5029163	5039653	5047810	5057441	5065309
5022958	5029166	5039963	5047835	5057455	5065396
5023198	5029185	5039993	5048013	5057462	5065692
5023557	5029200	5040033	5048015	5057781	5065931
5023565	5029215	5040035	5048021	5057789	5065933
5023611	5029297	5040062	5048057	5057877	5066566
5023673	5030266	5040111	5048080	5058178	5066615
5023685	5030926	5040173	5048081	5058179	5066998
5023864	5030966	5040183	5048747	5058976	5067047
5023868	5031012	5040186	5048908	5059230	5067104
5023878	5031053	5040193	5048909	5059635	5067164
5023881	5031188	5040217	5048965	5060276	5067173
5023902	5031983	5040228	5049721	5060302	5067783
5023910	5032001	5040327	5049981	5060312	5068207
5023917	5032492	5041018	5049982	5061924	5068631
5023947	5032798	5041393	5050004	5062038	5068657
5024415	5032803	5042032	5050163	5062040	5068868
5024497	5032991	5042040	5050949	5062103	5068877
5024506	5033028	5042062	5050954	5062105	5068892
5024733	5033076	5042064	5050957	5062108	5069730
5024864	5033083	5042889	5051275	5062684	5070453
5024873	5033389	5043539	5051328	5063017	5072179
5024966	5033830	5043605	5051791	5063359	5072309
5024967	5034334	5043794	5051816	5063422	5072327
5025165	5034344	5043808	5051880	5063426	5072443
5025170	5034783	5043870	5051979	5063444	5073003

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PATENT
REEL: 014490 FRAME: 0265

5073004	5084802	5093914	5104433	5111522	5119372
5073716	5084815	5093920	5105164	5112238	5119406
5073890	5084869	5095176	5105165	5113036	5119460
5073981	5084877	5095281	5105293	5113041	5120680
5074633	5085070	5095381	5105305	5113159	5120939
5074640	5085913	5095495	5105368	5113286	5121290
5074643	5087521	5095497	5105420	5113404	5121388
5074646	5088057	5095519	5105438	5113431	5121426
5074727	5088095	5096404	5105442	5113466	5122479
5075559	5088099	5096439	5105443	5114233	5122892
5075749	5088113	5096442	5105468	5115185	5123033
5075756	5088587	5096840	5106175	5115294	5123066
5075843	5088601	5097148	5106453	5115309	5123073
5075963	5088931	5097499	5106764	5115338	5123940
5076008	5089057	5097501	5106766	5115391	5123996
5076096	5089438	5097516	5106771	5115425	5124014
5076654	5089442	5097529	5106783	5115426	5124216
5076824	5090790	5099149	5106786	5115427	5124281
5076881	5090927	5099478	5106826	5115430	5125024
5077176	5090978	5099489	5107323	5115432	5125057
5077483	5091053	5100507	5107330	5115441	5125063
5077728	5091641	5100518	5107397	5115442	5125560
5078464	5091767	5100827	5107452	5115452	5126007
5078468	5091826	5100836	5107493	5115453	5126289
5078482	5091872	5100870	5107497	5115487	5126660
5078499	5091908	5101090	5107499	5115488	5126661
5079112	5091916	5101290	5107501	5115505	5126730
5079130	5091931	5101291	5107538	5115995	5126889
5080279	5091945	5101400	5107627	5116718	5127047
5080461	5091979	5101439	5109329	5117130	5127061
5080722	5091988	5101442	5109392	5117291	5127081
5081075	5092264	5101454	5109408	5117372	5127991
5081377	5093565	5101456	5109457	5117472	5128006
5081421	5093634	5101457	5109458	5118333	5128738
5081647	5093695	5101465	5109515	5118904	5128756
5082343	5093725	5102040	5110036	5118964	5128787
5082345	5093743	5102827	5110211	5119016	5128800
5082346	5093803	5102829	5110335	5119051	5129013
5082348	5093827	5103227	5110756	5119075	5129023
5082719	5093856	5103374	5110765	5119196	5129030
5083206	5093876	5103376	5111255	5119228	5130213
5083308	5093900	5103444	5111475	5119366	5130512
5084415	5093913	5103475	5111512	5119368	5130535

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PATENT
REEL: 014490 FRAME: 0266

5130894	5136428	5147432	5155780	5166765	5179707
5130897	5136538	5147433	5155785	5166930	5179708
5130988	5136581	5147820	5155788	5166931	5180482
5131012	5136584	5147825	5155833	5166954	5181134
5131013	5136603	5148274	5155858	5166993	5181179
5131041	5136612	5148504	5157017	5167726	5181210
5131064	5136617	5149404	5157744	5168071	5181216
5132244	5136671	5149672	5157747	5168089	5181242
5132280	5136690	5150246	5157759	5169422	5181269
5132553	5136707	5150277	5158136	5169798	5182536
5132685	5138177	5150358	5158907	5170407	5182750
5132829	5138475	5150377	5158908	5170455	5182751
5132976	5138543	5150789	5159290	5171373	5182768
5133034	5138570	5150829	5159445	5171704	5182787
5133039	5138614	5150832	5159447	5172213	5184115
5133129	5138633	5150852	5159594	5172259	5184280
5134090	5138657	5151306	5159600	5172371	5184311
5134447	5138685	5151784	5159634	5172383	5184347
5134475	5140299	5151817	5161584	5172408	5185291
5134476	5140655	5152055	5162609	5172414	5185742
5134477	5140656	5152476	5162613	5172420	5185781
5134480	5140658	5153083	5162753	5173269	5185782
5134617	5141794	5153145	5162762	5173960	5185785
5134633	5141878	5153147	5162792	5174021	5185824
5134671	5141897	5153541	5162812	5174803	5185826
5134673	5144308	5153683	5163016	5175640	5185827
5134679	5144324	5153701	5163044	5175662	5185843
5134709	5144375	5153757	5163045	5175878	5185844
5134711	5144423	5153778	5163046	5175969	5185845
5135555	5144435	5153846	5163047	5176792	5185846
5135590	5144637	5153909	5163066	5177737	5185966
5135605	5146046	5153919	5163081	5177780	5186647
5135622	5146078	5153932	5163083	5178319	5186649
5135838	5146079	5154886	5163086	5178723	5186756
5135886	5146175	5155302	5163115	5178745	5187027
5136120	5146361	5155303	5163156	5178916	5187149
5136121	5146396	5155304	5164041	5179029	5187329
5136252	5146405	5155620	5164963	5179251	5187432
5136263	5146455	5155623	5165543	5179365	5187610
5136264	5146494	5155692	5165956	5179419	5187637
5136302	5146517	5155732	5165959	5179609	5187660
5136374	5146534	5155760	5165984	5179626	5187706
5136377	5146661	5155779	5166091	5179669	5187712

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5187722	5204902	5212457	5220630	5228976	5239128
5187733	5204925	5212486	5221130	5229231	5239193
5187741	5205033	5212491	5221306	5229255	5239460
5187759	5205668	5212578	5221413	5229303	5239510
5187763	5205867	5212584	5221417	5229304	5239521
5189694	5205890	5212701	5221847	5229876	5239562
5189725	5206317	5212702	5221860	5229990	5239744
5190285	5206497	5212704	5222061	5230000	5240090
5190460	5206524	5212711	5222122	5230010	5240432
5191462	5206526	5212743	5222128	5230145	5240488
5191631	5206538	5212752	5222177	5230852	5240866
5191970	5206585	5212754	5222213	5230970	5241190
5193259	5206722	5212757	5222908	5231631	5241275
5193761	5206753	5212758	5223704	5232873	5241414
5194105	5206820	5212761	5223705	5233129	5241552
5194117	5206854	5212821	5223723	5233184	5241599
5194765	5206857	5213748	5223724	5233200	5242477
5194948	5206871	5213864	5223809	5233606	5243221
5195023	5206872	5213995	5224113	5233652	5243229
5195085	5206878	5214370	5224126	5233660	5243413
5195086	5206901	5214507	5224151	5234149	5243419
5195087	5206902	5214645	5224179	5234153	5243437
5195090	5206903	5214656	5224190	5234157	5243438
5195091	5207583	5214734	5224194	5234198	5243627
5195103	5208183	5215602	5225922	5235508	5243629
5195107	5208546	5215801	5225966	5235658	5243641
5195137	5208705	5215867	5225998	5235659	5243644
5195161	5208809	5215930	5226042	5235669	5243669
5196400	5208816	5216519	5226053	5236552	5243672
5197654	5208817	5216694	5226055	5236792	5243674
5198656	5208821	5216702	5226071	5237234	5243675
5199049	5208824	5216727	5226073	5237290	5244195
5199096	5208885	5217518	5226076	5237576	5244408
5199966	5208886	5217792	5226082	5237577	5244749
5199993	5208892	5217808	5226835	5237591	5244759
5200024	5208976	5217811	5227006	5237604	5244821
5200029	5210071	5217831	5227314	5237605	5244868
5200358	5210428	5217906	5227335	5237607	5245131
5200544	5210810	5218655	5227788	5237637	5245454
5201114	5211764	5219623	5227878	5237691	5245607
5201584	5212112	5219772	5228030	5237879	5245796
5202946	5212116	5220325	5228040	5238175	5246799
5203691	5212395	5220578	5228893	5238426	5246801

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5246887	5257397	5267317	5276746	5282198	5289303
5247608	5258243	5268087	5277730	5282214	5289370
5247651	5258246	5268329	5277752	5282244	5289464
5249180	5258901	5268332	5278076	5282293	5289467
5249195	5258946	5268556	5278096	5283500	5289472
5249223	5258978	5268582	5278404	5283540	5289473
5249248	5258987	5268635	5278509	5283746	5289499
5249354	5259046	5268656	5278646	5283833	5289501
5249733	5259051	5268666	5278647	5285086	5289535
5250096	5259054	5268830	5278681	5285305	5289542
5251179	5259067	5268935	5278689	5285441	5289579
5251208	5259920	5268936	5278812	5285468	5289694
5251215	5260151	5268981	5278823	5285477	5290101
5251236	5260972	5270486	5278824	5285498	5290720
5251255	5261016	5270813	5278855	5285511	5291156
5251328	5261023	5270927	5278865	5285513	5291324
5252434	5261090	5271090	5278890	5286338	5291481
5252520	5263033	5272118	5278892	5286969	5291482
5252934	5263103	5272132	5278894	5286970	5291490
5252941	5263390	5272330	5278905	5286971	5291493
5253055	5263865	5272596	5278932	5287103	5291521
5253056	5264076	5272697	5278959	5287182	5291541
5253104	5264107	5273554	5278969	5287211	5291552
5253248	5264377	5273621	5278972	5287296	5291572
5253294	5264392	5273849	5279633	5287344	5291600
5253304	5264723	5274347	5279740	5287347	5292390
5253314	5264752	5274543	5279925	5287426	5293480
5254854	5264960	5274644	5280191	5287427	5293597
5254881	5265109	5274659	5280383	5288368	5294260
5255221	5265127	5274703	5280470	5288572	5294831
5255265	5265143	5274718	5280503	5288591	5296956
5255314	5265150	5274729	5280525	5288657	5297191
5255315	5265177	5274730	5280526	5288659	5297192
5255330	5265186	5274734	5280551	5288951	5297198
5255383	5265191	5274748	5280556	5288990	5297888
5256851	5265250	5274807	5281248	5288996	5298037
5256958	5266352	5275687	5281301	5288997	5298047
5257000	5266506	5275711	5281542	5288998	5298105
5257268	5266880	5275841	5281552	5288999	5298117
5257329	5267063	5275896	5281557	5289015	5298436
5257332	5267077	5276303	5281884	5289025	5298454
5257336	5267243	5276425	5282123	5289055	5298800
5257339	5267304	5276730	5282174	5289179	5298817

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PATENT
REEL: 014490 FRAME: 0269

5299044	5305336	5311305	5317480	5328872	5334885
5299047	5305352	5311344	5317630	5329113	5335228
5299090	5305353	5311345	5317658	5329136	5335229
5299212	5305410	5311346	5319585	5329144	5335405
5299257	5305411	5311456	5319666	5329151	5335408
5299259	5305416	5311512	5320918	5329170	5336371
5299261	5305443	5311520	5321541	5329210	5336970
5299268	5306867	5311526	5321691	5329392	5337022
53 5644	5307434	5311547	5321743	5329393	5337334
5300789	5307693	5311551	5321788	5329396	5337353
5300837	5307983	5311557	5321842	5329424	5337372
5300894	5308444	5311569	5322463	5329524	5337375
5301008	5308555	5311570	5322807	5329533	5337382
5301201	5308721	5311574	5323053	5329551	5337384
5301209	5308742	5311576	5323390	5329570	5337398
5301246	5308796	5311578	5323404	5329572	5338223
5301286	5308947	5311584	5323447	5329573	5338626
5301988	5308954	5311585	5324603	5329579	5339157
5302140	5309003	5311586	5325427	5329582	5339346
5302555	5309028	5311589	5325438	5329583	5339384
5302914	5309232	5311596	5326626	5329586	5340016
5302916	5309260	5311598	5326638	5329587	5340796
5303079	5309267	5311608	5326671	5329605	5341314
5303138	5309395	5312266	5326727	5329608	5341364
5303235	5309432	5312780	5326948	5330629	5341395
5303290	5309447	5312781	5327302	5330925	5341416
5303307	5309469	5313382	5327319	5331274	5341444
5304437	5309501	5313463	5327333	5331348	5341457
5304460	5309509	5313554	5327421	5331591	5343032
5304816	5309512	5313567	5327484	5331628	5343162
5304834	5309526	5313614	5327487	5331631	5343192
5304839	5309534	5313840	5327488	5331632	5343240
5304846	5309635	5314519	5327489	5331670	5343490
5304856	5310457	5314712	5327492	5332690	5343500
5304867	5310999	5314838	5327511	5332996	5343517
5304945	5311008	5315128	5327515	5333185	5343523
5304962	5311009	5315270	5327516	5333188	5343526
5304987	5311045	5315629	5327520	5333209	5344475
5305102	5311080	5316562	5327537	5333219	5344797
5305191	5311084	5316879	5327544	5333521	5345119
5305308	5311088	5316968	5328550	5334029	5345323
5305312	5311155	5317196	5328552	5334306	5345327
5305320	5311171	5317439	5328854	5334541	5345356

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PATENT
REEL: 014490 FRAME: 0270

5345357	5353309	5363440	5371784	5377896	5384840
5345419	5353312	5363441	5371786	5377900	5384876
5345441	5353313	5363443	5371788	5378664	5384877
5345443	5353327	5363461	5371815	5379358	5384885
5345444	5353333	5363489	5371818	5379364	5385097
5345445	5353341	5364427	5372088	5380398	5385290
5345446	5353351	5364472	5372622	5380400	5385487
5345454	5355019	5364836	5372899	5380551	5385632
5345462	5355345	5365430	5373100	5380559	5385809
5345468	5355369	5365524	5373133	5381031	5386156
5345499	5355376	5365528	5373149	5381058	5386314
5345525	5355404	5365656	5373180	5381062	5386383
5345528	5355405	5366557	5373248	5381125	5386414
5345529	5355845	5366851	5373265	5381387	5386417
5345542	5356447	5366924	5373288	5381405	5386457
5345670	5356449	5367140	5373385	5381419	5386460
5346118	5356526	5367273	5373387	5381461	5386466
5346581	5356659	5367336	5373516	5381463	5386641
5346583	5356662	5367539	5373517	5381464	5387269
5346655	5357146	5367566	5373549	5381471	5387899
5346775	5357208	5367586	5373551	5381475	5388088
5346855	5358827	5367589	5373552	5381701	5388102
5347227	5359189	5369519	5373553	5382300	5388147
5348912	5359678	5369520	5373578	5382314	5388149
5348913	5360979	5369694	5374504	5382340	5388153
5349341	5360987	5369696	5375036	5382498	5388163
5349503	5360991	5369701	5375074	5382794	5388170
5349635	5361259	5369703	5375164	5383015	5388174
5349743	5361270	5370237	5375167	5383016	5388186
5350303	5361276	5370547	5375180	5383118	5388188
5351146	5361298	5370553	5375244	5383180	5388238
5351236	5361362	5370768	5376236	5383212	5388756
5351261	5362575	5371325	5376505	5384153	5389193
5351371	5362585	5371534	5376880	5384497	5389428
5352328	5362977	5371544	5377014	5384504	5389442
5353114	5363068	5371597	5377194	5384635	5389603
5353147	5363141	5371682	5377201	5384771	5389776
5353155	5363204	5371742	5377230	5384774	5389779
5353164	5363239	5371762	5377231	5384806	5389892
5353192	5363289	5371763	5377261	5384810	5389900
5353212	5363369	5371780	5377262	5384822	5389965
5353245	5363394	5371781	5377281	5384823	5390164
5353302	5363398	5371782	5377301	5384826	5390169

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PATENT
REEL: 014490 FRAME: 0271

5390175	5394504	5404002	5412263	5416872	5422963
5390177	5394540	5404123	5412346	5417577	5424611
5390200	5395741	5404167	5412499	5417802	5424613
5390209	5395776	5404350	5412506	5418173	5424739
5390233	5395787	5404395	5412565	5418178	5425087
5390241	5395789	5404413	5412606	5418183	5425097
5390242	5395799	5404507	5412646	5418190	5425102
5391095	5395803	5404574	5412657	5418369	5425116
5391269	5396059	5405566	5412712	5418463	5425495
5391323	5396068	5405710	5412713	5418476	5425831
5391976	5396126	5405721	5412714	5418531	5425846
5391994	5396192	5406194	5412716	5418559	5426460
5392005	5396195	5406199	5412740	5418637	5426636
5392153	5396196	5406247	5412744	5418776	5426639
5392277	5396486	5406401	5412754	5418792	5426657
5392281	5396492	5406404	5412774	5418793	5426689
5392293	5396494	5406549	5413294	5418798	5426716
5392335	5396507	5406583	5413755	5418845	5427327
5392337	5396519	5406586	5413884	5418868	5427659
5392346	5396536	5406592	5413954	5418874	5427984
5392349	5396541	5406615	5414219	5418881	5428318
5392357	5396543	5406619	5414307	5418925	5428562
5392429	5396547	5406622	5414444	5418943	5428607
5392432	5396548	5406623	5414785	5418947	5428609
5392510	5396553	5407488	5414788	5420058	5428663
5392635	5396572	5407531	5415570	5420457	5429697
5394031	5396591	5407532	5415730	5420551	5430396
5394116	5396612	5407602	5416033	5420584	5430418
5394124	5396655	5407788	5416063	5420599	5430473
5394125	5396702	5407859	5416361	5420754	5430572
5394159	5397133	5408126	5416419	5420868	5430713
5394198	5397241	5408174	5416431	5420870	5430716
5394265	5397372	5408351	5416432	5420871	5430747
5394361	5398073	5408463	5416446	5420908	5430766
5394389	5398162	5408467	5416668	5420957	5430791
5394392	5399532	5408537	5416769	5420973	5430808
5394435	5399880	5410416	5416772	5420981	5430817
5394437	5399955	5410629	5416779	5421930	5430819
5394461	5400164	5411566	5416834	5422582	5430827
5394464	5400165	5411814	5416836	5422838	5430868
5394489	5400361	5411899	5416862	5422882	5430893
5394498	5402256	5412161	5416863	5422943	5431770
5394500	5402516	5412245	5416867	5422961	5432123

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PATENT
REEL: 014490 FRAME: 0272

5432388	5439849	5444270	5450414	5457712	5463615
5432440	5440142	5444401	5450431	5457734	5463620
5432631	5440317	5444693	5450438	5457737	5463623
5432804	5440415	5444704	5450449	5457760	5463641
5432880	5440416	5444712	5450468	5457796	5463659
5434403	5440417	5444713	5450481	5457877	5463665
5434525	5440575	5444716	5450482	5459097	5463670
5434541	5440585	5444718	5450491	5459304	5463675
5434701	5440613	5444725	5450511	5459396	5463681
5434852	5440615	5444760	5450518	5459414	5463728
5434853	5440626	5444766	5450524	5459506	5464664
5434854	5440635	5444774	5450535	5459530	5464783
5434876	5440655	5444777	5450577	5459606	5465113
5434877	5440662	5444800	5450615	5459722	5465275
5434908	5440666	5445489	5451435	5459727	5465294
5434928	5440726	5446375	5451480	5459779	5465319
5434937	5441013	5446830	5451548	5459780	5465365
5434943	5441614	5446865	5452297	5459841	5465389
5434945	5441616	5446880	5452343	5461005	5465478
5434975	5442205	5446881	5452441	5461245	5466972
5436551	5442218	5448193	5454014	5461302	5467351
5436756	5442306	5448200	5454034	5461308	5467415
5436896	5442324	5448251	5455699	5461333	5467418
5436930	5442389	5448393	5455701	5461379	5467607
5436966	5442474	5448555	5455835	5461390	5467732
5436967	5442519	5448585	5455861	5461413	5467883
5438006	5442620	5448586	5457379	5461472	5468338
5438022	5442624	5448590	5457414	5461573	5468669
5438112	5442626	5448629	5457428	5461610	5468689
5438265	5442636	5448669	5457456	5461685	5469119
5438301	5442637	5448672	5457495	5461690	5469268
5438374	5442679	5448674	5457568	5461693	5469284
5438565	5442683	5448675	5457569	5461707	5469328
5438592	5442689	5448852	5457601	5462012	5469438
5438627	5442693	5449266	5457620	5462358	5469467
5438896	5442696	5449855	5457679	5462438	5470217
5439395	5442702	5450026	5457682	5462888	5470530
5439396	5442725	5450027	5457684	5463337	5470783
5439634	5442727	5450029	5457691	5463388	5471318
5439780	5442769	5450229	5457697	5463472	5471500
5439781	5443685	5450249	5457700	5463488	5472160
5439782	5443996	5450356	5457704	5463489	5472516
5439847	5444226	5450372	5457709	5463520	5472562

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PATENT
REEL: 014490 FRAME: 0273

5472585	5476388	5481540	5486263	5499208	5504450
5472886	5477164	5481544	5486783	5499244	5504606
5473157	5477197	5481565	5486798	5499249	5504608
5473254	5477215	5481566	5487104	5499289	5504657
5473269	5477375	5481570	5487117	5499291	5504736
5473270	5477933	5481574	5487125	5499292	5504805
5473367	5478005	5481580	5487675	5499923	5504810
5473379	5478371	5481590	5487967	5499935	5504896
5473384	5478658	5481592	5488248	5500031	5505367
5473433	5478758	5481596	5488412	5500157	5506419
5473439	5478776	5481597	5488425	5500312	5506519
5473456	5479117	5481614	5488500	5500391	5506848
5473460	5479129	5481634	5488633	5500497	5506859
5473467	5479398	5481635	5488665	5500605	5506870
5473512	5479411	5481638	5488680	5500671	5506872
5473531	5479448	5481639	5488693	5500673	5506893
5473596	5479482	5481642	5488715	5500678	5506898
5473604	5479484	5481650	5489552	5500761	5506901
5473621	5479489	5481680	5489905	5500867	5506908
5473622	5479493	5482802	5490055	5500889	5506925
5473630	5479494	5483186	5490150	5500916	5506926
5473640	5479528	5483191	5490151	5501098	D208534
5473651	5479551	5483201	5490178	5501617	D243899
5473684	5479582	5483207	5490199	5501781	D245112
5473696	5479650	5483235	5490229	5501777	D245113
5473701	5479695	5483236	5490233	5502162	D245602
5473714	5479729	5483237	5490253	5502328	D246584
5473719	5480046	5483238	5490436	5502407	D247643
5473720	5480049	5483251	5491424	5502438	D247813
5473730	5480529	5483369	5491741	5502587	D248234
5473771	5480813	5483375	5491747	5502644	D249882
5474659	5480842	5483470	5493165	5502688	D250108
5475345	5481104	5483527	5493611	5502727	D250109
5475497	5481188	5483542	5493625	5502756	D250307
5475579	5481205	5483551	5493712	5502757	D250602
5475682	5481219	5483590	5494697	5502763	D250890
5475733	5481297	5483611	5495235	5502781	D252087
5475738	5481308	5483613	5495521	5502786	D252331
5475747	5481312	5483884	5495543	5502787	D252569
5475756	5481391	5484966	5496743	5502816	D252570
5475757	5481399	5485298	5498863	5504279	D252929
5475780	5481440	5485512	5498923	5504385	D253211
5476316	5481534	5485613	5498925	5504401	D253344

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PATENT
REEL: 014490 FRAME: 0274

D253821	D273584	D278813	D285795	D297325	D321172
D254006	D273637	D278814	D286045	D297534	D321348
D254195	D273646	D278816	D286150	D298637	D321870
D254554	D273909	D278819	D286285	D301143	D322961
D256120	D273955	D279005	D286533	D301144	D322962
D256465	D274247	D279010	D286636	D301146	D323489
D256692	D274724	D279185	D287494	D302266	D323656
D257978	D274731	D279286	D288445	D302267	D323657
D258131	D274959	D279287	D289155	D302682	D324037
D258656	D275004	D279288	D289240	D303111	D324515
D258736	D275005	D279289	D289284	D303114	D325197
D258882	D275006	D279375	D289285	D303115	D325199
D259420	D275096	D279777	D289286	D303638	D326089
D261582	D275097	D279902	D289287	D303664	D326098
D262286	D275483	D279982	D289643	D304032	D326649
D262625	D275484	D280098	D289644	D304587	D326850
D262626	D275669	D280196	D289648	D304726	D327479
D262762	D276046	D280197	D289762	D305423	D330705
D263046	D276228	D280325	D289897	D305537	D330888
D263048	D276232	D280505	D290006	D305538	D332465
D263824	D276431	D280816	D290457	D306429	D332610
D264210	D277001	D280896	D290703	D306576	D334568
D264967	D277002	D281160	D291083	D306999	D334937
D265401	D277181	D281599	D293321	D307039	D335670
D265478	D277282	D282257	D293440	D307560	D337097
D265558	D277378	D282358	D293441	D307748	D337571
D266381	D277379	D282467	D294028	D308965	D337770
D266927	D277479	D283024	D294262	D309605	D338469
D268342	D277480	D283025	D294357	D310665	D338470
D269088	D277570	D283814	D294496	D311389	D338659
D269432	D277571	D283890	D294500	D312070	D339113
D269528	D277573	D283894	D294579	D313233	D339328
D270834	D277664	D283979	D294943	D313795	D339795
D271016	D277665	D284280	D295169	D313796	D340038
D271691	D277666	D284471	D295411	D313976	D341586
D271971	D277958	D284764	D295415	D314191	D342261
D271972	D278056	D285073	D295512	D314746	D344514
D272149	D278239	D285076	D295748	D315343	D344515
D272150	D278336	D285198	D295976	D315557	D344516
D272354	D278531	D285305	D296328	D318051	D344525
D272624	D278534	D285306	D296329	D318469	D345556
D273110	D278630	D285561	D296560	D319439	D345971
D273449	D278711	D285576	D296693	D320985	D345972

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D345974	D363721	RE30854	RE32613	RE34811	H2
D345975	D363731	RE30973	RE32858	RE35050	H204
D345976	D364621	RE31053	RE32893	RE35119	H208
D346154	D364621	RE31180	RE32900	T955001	H36
D346199	D365808	RE31188	RE33041	T958009	H40
D346750	D365821	RE31197	RE33266	T958010	H422
D347371	D365824	RE31253	RE33368	T961003	H434
D348469	D366205	RE31295	RE33380	T963001	H445
D350743	D368068	RE31319	RE33459	T963002	H54
D354500	RE29191	RE31351	RE33597	T968005	H551
D355137	RE29215	RE31423	RE33622	H1	H610
D355186	RE29234	RE31510	RE33651	H102	H64
D355187	RE29336	RE31534	RE33664	H1137	H65
D355188	RE29535	RE31651	RE33671	H1155	H66
D355189	RE29593	RE31969	RE33677	H1174	H665
D355190	RE29677	RE32012	RE33693	H118	H73
D355651	RE29879	RE32090	RE33900	H13	H763
D355652	RE29886	RE32124	RE34247	H1373	H842
D355659	RE30182	RE32172	RE34269	H147	H965
D355917	RE30220	RE32207	RE34529	H15	H97
D355921	RE30244	RE32515	RE34735	H176	
D362855	RE30399	RE32516	RE34755	H180	

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**PATENT
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Case Name or Pocket No.	US Patent No. Apple Ser No.
1. GIS No. 5170.00	ABANDONED
2. GIS No. 5170.01	08/164661
3. GIS No. 5620	ABANDONED
4. ATT109805/268380 Kamerman 1-1	authorized
5. ATT110402/270122 Boer 1-1-2-1-2	authorized
6. ATT110401/270125 Awater 1-2-1-1	DROPPED
7. GIS No. 5399	07/992956
8. GIS No. 5169	07/723102
9. ATT109783/268378 Erkocevic 1-1	08/538316
10. GIS No. 6330 ATT109662/268222 Greenstein 11-7-18	08/530687
11. GIS No. 6251	08/509683
12. GIS No. 6365 ATT109663/268420 Cohen 4	08/499247
13. GIS No. 6185 ATT109658/268356 Bakker 1-1	08/498738
14. GIS No. 6323 ATT109652/268047 Moelard 1	08/492555
15. GIS No. 6294	08/436067
16. GIS No. 6095	08/407829
17. ATT108406/263075 Bar-David 4-1	08/345110
18. ATT108128/262222 Bar-David 3	08/298260
19. GIS No. 5698	08/209099
20. GIS No. 5657	08/155681
21. GIS No. 5644 (ON APPEAL)	08/127268
22. GIS No. 5577	08/065328
23. GIS No. 6322 ATT109839/268379 Kruys 1	mailed 12/1/95
24. Tuch	5040175
25. Van Driest	5128960
26. Kamerman	5131008
27. Haag	5151920
28. Kamerman	5164942
29. Tuch	5220564
30. Busking	5313218
31. Diepstraten	5329531
32. Diepstraten	5339316
33. Kamerman	5369639
34. Moeland	5371738

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PATENT
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Case Name or Docket No.	US Patent No. Applicant No.
35. Klejne	5379290
36. Tuch	5390165
37. Diepstraten	5410738
38. Erkocevic	5420599
39. Diepstraten	5422887
40. GIS No. 5847 (issued 11/7/95)	5465392

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