

PATENT ASSIGNMENT

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05/18/2006
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	11/01/2002

CONVEYING PARTY DATA

Name	Execution Date
Mitel Knowledge Corporation	11/01/2002

RECEIVING PARTY DATA

Name:	Mitel Networks Corporation
Street Address:	350 Legget Drive
City:	Ottawa, Ontario
State/Country:	CANADA
Postal Code:	K2K 2W7

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7030733

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	G1013CA00
NAME OF SUBMITTER:	Stephen Perry

Total Attachments: 21

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**WORLDWIDE ASSIGNMENT
(PATENT)**

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, **MITEL KNOWLEDGE CORPORATION**, (Assignor), whose full post office address is Tower B, 555 Leggett Drive, Ottawa, Ontario, K2K 2X3, do hereby confirm our sale, assignment, transfer, conveyance and selling over and we do hereby irrevocably and unconditionally sell, assign, transfer, convey and set over to **MITEL NETWORKS CORPORATION**, (Assignee), whose full post office address is 350 Legget Drive, Ottawa, Ontario, K2K 2W7, our entire right, title and interest in and to the inventions set forth in the patents/patent applications listed on Schedule A attached hereto, together with our entire right, title and interest in and to any and all patents/patent applications which may be filed thereon and any all Letters Patent which may be granted or issued thereon in Canada, and throughout the world, and all rights of action appurtenant or relating thereto, and the benefit of all waivers of moral rights in favour of the Assignor, including any and all divisions, continuations, reissues and extensions of any of the foregoing, the same to be held by the Assignee as fully and effectually as it would have been held by the Assignor had this assignment not occurred.

AND we hereby authorize the issuance to said Assignee of any and all said Letters Patent not already issued as the Assignee of our entire right, title and interest in and to the same, for the sole use and benefit of said Assignee, its successors, assigns or legal representatives.

AND we, on behalf of ourselves and our executors and administrators, hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications, and other instruments as may reasonably be required by said Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for said inventions and vest the same in said Assignee, its successors, assigns or legal representatives.

SIGNED at Ottawa, Ontario

Effective the 1st day of November, 2002.

MITEL KNOWLEDGE CORPORATION

By: 
Name: José Medina
Title: CFO

SCHEDULE A
(ASSIGNMENT - PATENT)

Cont'd	Serial #	Status	Date Filed	Patent #	Title
477 Patent Granted	Blank	Blank	20491271	2108225	Wireless Zone Management
63 Patent Granted	2108225	Blank	10/19/1993	2108225	Character/Decoder for Cordless Telephones
77 Patent Granted	2053383	10/11/1991	2053382	2108225	Regulated Auxiliary Power Supply
78 Patent Granted	2049127	8/24/1991	2,049,127	2,049,127	Off-hook telephone with temporary park feature
79 Patent Granted	2053776	10/22/1991	2053776	2053776	Wireless Interloc
81 Patent Granted	2063740	2/22/1992	2,063,740	2,063,740	Mobile Wireless Communications System
83 Patent Granted	2063731	4/24/1992	2063731	2063731	Method of Defining Operation of Switching System Parameters
88 Patent Granted	2063720	10/24/1992	2063720	2063720	Delayed Cancel Warning
106 Patent Granted	2081125	10/22/1992	2081125	2081125	Portable Telephone User Profiles
107 Patent Granted	2078945	9/11/1992	2078945	2078945	Method of Operating a Computer Program
109 Patent Granted	2080737	11/16/1992	2080737	2080737	Method of Operating a Computer Program
111 Patent Granted	2084420	12/28/1993	2084420	2084420	Associated Equipment Numbers
113 Patent Granted	2094276	5/29/1993	Blank	Blank	Upper Ringing on Prime Line
114 Patent Granted	2100695	7/15/1993	2100695	2100695	Wireless
118 Patent Granted	2094270	4/15/1993	2094270	2108225	Multiple Display Resource Management
119 Patent Granted	2110643	12/23/1993	2110643	2110643	Shuffling System
122 Patent Granted	2106224	10/13/1993	2106224	2106224	Method and Apparatus for Implementing Hunt Groups
124 Patent Granted	2106223	10/12/1993	2106223	2106223	Hopping Mode
125 Patent Granted	2110695	12/23/1993	2110695	2106225	Automatic Telephone Feature Selective
129 Patent Granted	2232220	3/4/1994	2232220	2232220	Method of Providing a Context Type Operation Using a FAX
127 Patent Granted	2133610	9/23/1994	2133610	2133610	Method of Providing a Context Type Operation Using a FAX
132 Patent Granted	2122026	5/27/1994	2122026	2122026	For Adaptive Method for Accepting Calls
134 Patent Granted	2148970	9/27/1994	2148970	2148970	Local Area Communications Server System
136 Patent Granted	2154035	11/25/1995	2154035	2154035	ACTIVE DIGIT CANCEL AND PARALLEL DIALER
139 Patent Granted	2115065	3/15/1994	2115065	2115065	Enhanced Communication System
143 Patent Granted	2115064	3/15/1994	2115064	2115064	Enhanced Communication System
145 Patent Granted	2115064	3/15/1994	2115064	2115064	Enhanced Communication System
150 Patent Granted	2176163	6/4/1995	2176163	2176163	Service Control Separable Features & Applications
151 Patent Granted	2224496	12/17/1997	Blank	Blank	Transfer of Basic Knowledge to Agents
152 Patent Granted	2224496	12/17/1997	Blank	Blank	Transfer of Basic Knowledge to Agents
153 Patent Granted	2176576	5/21/1994	2176576	2176576	Method and Apparatus for Managing Calls Using a Soft-Call Park
154 Patent Granted	2164550	12/23/1993	2164550	2164550	Communication System Using Server
155 Patent Granted	2165940	11/22/1995	2165940	2165940	Human Machine Interface for Telephone Feature Invocation
171 Patent Granted	2238026	6/23/1997	2238026	2238026	Instant Messaging Agent DTS
172 Patent Granted	2238026	6/23/1997	Blank	Blank	Instant Messaging Agent DTS
180 Patent Granted	2199573	3/10/1997	Blank	Blank	Out-Of-Band Call Forwarding
182 Patent Granted	2144270	3/29/1997	Blank	Blank	Out-Of-Band Call Forwarding
189 Application Filed	2224523	2/22/1997	2224523	2224523	Method and Apparatus for Managing Calls Using a Soft-Call Park
189 Patent Granted	215534	6/15/1995	215534	215534	Method and Apparatus for Managing Calls Using a Soft-Call Park
185 Patent Granted	2165283	10/26/1995	2165283	2165283	Method and Apparatus for Managing Calls Using a Soft-Call Park
190 Patent Granted	2161626	10/26/1995	2161626	2161626	Method and Apparatus for Managing Calls Using a Soft-Call Park
200 Patent Granted	2232221	3/15/1994	2232221	2232221	Method and Apparatus for Managing Calls Using a Soft-Call Park
210 Application Filed	2232221	3/15/1994	2232221	2232221	Method and Apparatus for Managing Calls Using a Soft-Call Park
213 Patent Granted	2184434	7/13/1995	2184434	2184434	Method and Apparatus for Managing Calls Using a Soft-Call Park
227 Patent Granted	2184434	7/13/1995	2184434	2184434	Method and Apparatus for Managing Calls Using a Soft-Call Park
224 Patent Granted	2255316	12/10/1995	2255316	2255316	Method and Apparatus for Managing Calls Using a Soft-Call Park
229 Patent Granted	2180390	7/15/1995	2180390	2180390	Method and Apparatus for Managing Calls Using a Soft-Call Park
230 Patent Granted	2180390	7/15/1995	2180390	2180390	Method and Apparatus for Managing Calls Using a Soft-Call Park

460	Application Files	2376410	5/8/2002	Blank	Voice Mail Number and E-Mail Extension
467	Application Files	2396550	5/12/2002	Blank	System and method for the management of computer software
468	Application Files	2396550	5/20/2001	Blank	Method IP Protocol Extensions
481	Application Files	2400148	6/28/2002	Blank	A better presentation of a menu for an interactive voice response
482	Application Files	2401483	6/28/2002	Blank	Method of using speech recognition to initiate a WAP Session
483	Application Files	2404203	7/26/2001	Blank	Forward Lines 316 for Description Card Insert
494	Patient Generated	2500-1675	6/29/2000	Blank	Superconductor 4000
495	Audio Server File	2432-017	6/28/2001	Blank	Acoustic Transfer Localization
499	Application Files	2458-044	10/31/2001	Blank	Method for handling far-end speech effects in hands-free telephony
502	Application Files	2458-003	6/17/2001	Blank	Methods and Apparatus for Physiological Information Measurement
503	Application Files	2472-351	5/16/2002	Blank	Microphone Circuit with Integrated Acoustic Resistance
505	Application Files	2400-138	6/28/2002	Blank	A Split Processor for Simultaneous Processes
510	Application Files	Blank	Blank	Blank	Method of Establishing a CPE to Test as a Telephone Line Band Report
514	Patient Generated	2501-1358	6/12/2001	Blank	Hygiene Controller
514	Patient Generated	2501-2832	12/6/2001	Blank	Hygiene Controller
516	Application Files	2481-283	12/6/2001	Blank	Mobile Interactive Logs
517	Application Files	2481-093	4/10/2002	Blank	Barcode Assembly of Messages for Distributed Applications
518	Application Files	2481-822	6/7/2002	Blank	Master Release Frame Lock Method
521	Application Files	6194156	12/24/2002	Blank	An Infrared Based Protocol for Relaying a Service from a Set
527	Application Files	22401957	5/9/2002	Blank	Held-on or Forwarded signals receive
533	Application Files	2405-210	5/27/2002	Blank	Loudspeaker can't to reduce situations - acoustic monitor
534	Application Files	2434-429	5/19/2002	Blank	Robust Ticker Localization in Reverberant Environment
535	Application Files	2439-205	6/18/2002	Blank	Method to Improve Near-end Voice Activity Detection in Audio Systems
538	Application Files	2439-273	7/19/2002	Blank	Method of indicating and controlling during pickup direction and location
539	Patient Generated	616070	3/9/2002	Blank	SBC Conference Bridge
553	Patient Generated	616070	5/2/2002	Blank	Method 5250 IP Application
553	Patient Generated	616070	5/2/2002	Blank	Method 5250 IP Application
556	Application Files	2500-179	6/29/2002	Blank	IP Device Registration for a Multiple Proxy Server Network
11103	Export	298157	2/21/1978	Blank	Telephone Line Circuit
11106	Export	374448	3/20/1981	Blank	Telephone Line Circuit
11107	Export	387280	3/20/1978	Blank	Telephone Line Circuit
11107	Export	396562	2/18/1982	Blank	Transmitterless Trunk Circuit
11110	Export	395969	6/24/1978	Blank	Tone Applying Line Circuit
11119	Export	392845	3/29/1978	Blank	On-board Integrated Circuit Chip Signal Source
11120	Export	396647	2/18/1982	Blank	On-board Integrated Circuit Chip Signal Source
11120	Export	317630	12/17/1978	Blank	Sampling Decoder for
11128	Patient Generated	237890	19/07/1978	Blank	Speeding Generating by
11141	Patient Generated	332147	5/16/1980	Blank	Keyless & Inductionless Local Telephone Switching System
11141	Patient Generated	396222	1/23/1981	Blank	Subscriber Line Interface Circuit
11146	Patient Generated	371984	2/20/1981	Blank	Power Supply Line Circuit
11152	Export	376725	4/16/1981	Blank	1171945 Video Reconnecting Telephones Call Detail System
11153	Export	418023	12/17/1982	Blank	Subscriber Line Interface Circuit
11164	Export	396595	2/19/1982	Blank	Printed Circuit Board Lock
11165	Export	396714	2/22/1982	Blank	Telephone Circuit Connector
11168	Patient Generated	417853	12/14/1982	Blank	Telephone Indicator
11172	Patient Generated	426095	6/20/1983	Blank	Battery Charging Circuit
11177	Patient Generated	426531	6/16/1983	Blank	Switching System Loadable Unit Circuit
11178	Patient Generated	439510	11/20/1983	Blank	Switching System Loadable Unit Circuit
11181	Patient Generated	439511	5/4/1984	Blank	In-band Circuit for Remote Control of a FAX
11182	Patient Generated	439511	5/12/1984	Blank	Inter-band Circuit for Remote Control of a FAX

11167	Patient Granted	488296	622010615	1242008	Data Storage System
11168	Patient Granted	488297	61691965	1240058	Dynamic Memory Refresh & Parity Checking Circuit
11169	Patient Granted	507134	61691966	1254531	Communications Switching System
11170	Patient Granted	488227	62201065	1238231	Removable Hard-disk Drive- for
11171	Patient Granted	489189	4101880	1247265	Wireless Telephone System
11172	Patient Granted	580744	101371834	1251881	Wireless Telephone System
11173	Patient Granted	498789	12521945	1244111	LED Drive Circuit
11174	Patient Granted	502645	4611986	1241724	Circuit for Switching Between Balanced Networks
11175	Patient Granted	525268	12161595	1279008	Apparatus and Method for Synchronizing a Communication System
11176	Patient Granted	561623	31691988	1254440	Telephone call answering system
11177	Patient Granted	598003	5511868	1288126	Digital DTMF Tone Detector
11178	Patient Granted	634123	2411988	1283406	Communication System Supporting Remote Operations
11179	Patient Granted	624773	61691968	1267200	Link Card with Distributed Signaling Volatiles
11180	Patient Granted	606278	61691969	1311600	Apparatus for Testing
11181	Patient Granted	6106745	21691986	1326350	Programmable Universal A/D
11182	Patient Granted	583164	11161593	1332285	Global Emergency Call System
11183	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11289	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11290	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11291	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11292	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11293	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11294	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11295	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11296	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11298	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11299	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11300	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11301	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11302	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11303	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11304	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11309	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11310	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11311	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11312	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11313	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11314	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11315	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11316	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11317	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11318	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11320	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11322	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
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11330	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11331	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11332	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11333	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11334	Patient Granted	607608	71731988	1300224	Redundant Clock & Frame Pulse Synchronization System
11335	Patient Granted	607608	71731988	13002	

276	Application Filed	2255-407.5	8/4/2002	Blank	Method of packaging and conveying spare picture direction and location
277	Patent Granted	659 142 587	4/4/1995	EPT06439	Cell Relay Transport Mechanism
278	Abandoned	Blank	Blank	Blank	Portable On-Demand Applications Server
279	Patent Granted	Blank	7/83	6/22/1987	Blank
280	Patent Granted	57-186-4	5/26/1985	67-1865	Telephone Base
281	Abandoned	Blank	Blank	67-1864	Telephone Handset
441	Application Filed	157-21	10/26/2000	Blank	Network Concept of Telephony Services Using Downloadable Application
514	Patent Granted	16837	11/28/2001	6543272-3	Common data model involving said interdependencies
515	Patent Granted	30451	1/26/2002	Blank	Access Controller
517	Application Filed	205524	5/2/2002	Blank	Access Controller
535	Application Filed	Blank	Blank	Blank	Access Controller
536	Patent Granted	22638	4/23/2002	Blank	Methods Assembly of Messages for Disturbed Applications
553	Patent Granted	28602	10/31/2002	Blank	Method of Indicating and controlling group pickup direction and location
553	Patent Granted	28651	11/4/2002	Blank	Area 5200 for Applications
11103	Expired	7517277	6/27/1978	7817277	Method 5230 for Applications
Germany					Telephone Line Circuit
50	Abandoned	64102616-7	2/24/95	41935019	Electronic Inventory
70	Patent Granted	6867062-3	08	72X	EPT644382 Cell Relay Transport Mechanism
79	Patent Granted	32821 183-1	8/26/1996	62241738	Wireless Interface
106	Patent Granted	PA355903-8	31	1092054356-002	Personal Telephone User Profile
107	Patent Granted	PA350985-0	6/13/1993	PA350985-1	Global Management of Telephone Directory
111	Patent Granted	4325773-9	7/30/1993	4325773-1	Associated Equipment Numbers
113	Patent Granted	PA40767-1	3/9/1994	Blank	Location Ringed on Prime Line
114	Patent Granted	4423586-2	7/15/1994	4423586-1	Unidirectional Ringed
119	Patent Granted	4110245-6	11/12/1994	4440245	Storage System
122	Patent Granted	PA430341-0	5/7/1994	PA430341-1	Method and Apparatus for transmitting Hunt Groups
129	Patent Granted	4443922-2	2/7/1995	Blank	Automatic Telephone Feature Selection
132	Patent Granted	PA18516384-3	5/4/1995	PA18516384-1	An Adaptive Method for Allocating Calls
134	Patent Granted	15642172-1	Blank	Blank	Local Area Communications Server System
135	Patent Granted	PA18542408-3	12/23/1995	Blank	ACTIVE DIRECTIONAL PARALLEL CALLER
139	Patent Granted	PA1850849-0	5/13/1995	Blank	Enterprise Communication System
154	Application Filed	MA305 385-1	6/17/1994	15604503-3	Common Base Modified-Channel Telephone Sets
158	Abandoned	Blank	6/17/1994	9409722-2	Personal Communication
160	Patent Granted	15622347-4	6/4/1995	Blank	Service Control Sensible Features & Applications
163	Patent Granted	15622395-3	6/7/1995	Blank	Method and Apparatus for Managing Calls Using a Soft Call Park
164	Patent Granted	PA1854459-8	12/23/1995	Blank	Communication System Using Server
169	Patent Granted	PA1854330-1	11/24/1995	Blank	Human Machine Interface for Telephone Feature Invocation
171	Patent Granted	PA18726202-9	6/20/1997	Blank	Short Monitoring Agent ID
172	Patent Granted	16855075-3	Blank	Blank	Application Call Routing
180	Patent Granted	16709241-4	5/12/2001	16709241-1	Log Call Based Call Routing
182	Patent Granted	13903614-5	3/15/1995	Blank	Common Area Tasting Data Storage
185	Patent Granted	PA18538819	6/17/1995	18538819-1	Accession for Fisher Video Ctl
186	Patent Granted	PA1854212-5	10/24/1996	Abandoned	PTC SpeedyCall
193	Patent Granted	PA18544211-0	10/24/1996	PA18544211-1	Transparent Call Transfer
253	Abandoned	Blank	Blank	Blank	Portable Directory Number
253	Abandoned	1564 1112-2	1/15/1986	Blank	End-to-End Clock Recovery for ATM Networks
253	Patent Granted	18850428-7	12/28/1989	Blank	Business Call Answering
255	Patent Granted	18840653	6/21/1991	Blank	Dynamic Communication Groups
265	Abandoned	18717901-2	65	14721986	Integrated Feature Set Access for Mobile Applications

1051 Patent Granted	80341443	5/19/1994	22/34/1189	Delayed Cancel Warning
1052 Patent Granted	8018228.5	8/23/1993	22/11/121	Portable Telephone User Profiles
1053 Patent Granted	8018196.4	9/10/1993	22/70/60	Global Management of Telephone Directory
1111 Patent Granted	8018192.6	8/18/1993	22/74/7385	Associated Equipment Number
1113 Patent Granted	8044444.3	3/29/1994	22/70/621	Uplink Ringing on Prime Line
1115 Patent Granted	8041350.1	1/7/1994	22/80/34	Wireless
1121 Patent Granted	8025076.6	1/15/1994	22/84/118	Scrubbing System
1122 Patent Granted	8025558.7	5/7/1994	22/84/118	Method and Apparatus for Implementing Hand Groups
1123 Patent Granted	8010594.5	10/12/1994	22/83/368	Handing Mode
1124 Patent Granted	8006192.2	3/23/1994	22/86/189	Method of Providing a Genuine Type Operation Using a PBX
1125 Patent Granted	8018147.5	4/10/1995	22/85/321	Delayed Release on Associated Devices
1126 Patent Granted	8009183	5/6/1995	22/85/321	An Adaptive Method for Allocating Calls
1127 Patent Granted	8009352	11/10/1995	22/85/321	Local Area Communication Server System
1128 Patent Granted	8009352	12/20/1995	22/86/24	ACTIVE DIAL CANCELING PARALLEL DIALER
1129 Patent Granted	8005127.2	3/14/1995	22/85/321	Enterprise Communication System
1130 Patent Granted	8001458.4	1/25/1995	22/87/624	Mobile Data Interconnection
1131 Patent Granted	2057184	12/22/1995	2045/144	Common Base Modem Oriented Telephone Set
1132 Abandoned	Bank	6/17/1994	2045/144	Featureless Controller
1133 Patent Granted	8011355.9	6/4/1995	22/81/893	Services Control Database Features and Applications
1134 Patent Granted	8018196.7	12/19/1997	22/27/18	Transfer of Basic Knowledge to Agents
1135 Patent Granted	8018196.7	10/10/1997	22/27/14	Dynamic Load Shifting
1136 Patent Granted	8010794.8	8/23/1998	22/01/601	Method and Apparatus for Managing Calls Using a Soft Cell Park
1137 Patent Granted	8005451.7	12/22/1995	22/85/321	Communication System Using Server
1138 Patent Granted	8005451.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1139 Patent Granted	8005451.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1140 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1141 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1142 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1143 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1144 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1145 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1146 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1147 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1148 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1149 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1150 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1151 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1152 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1153 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1154 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1155 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1156 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1157 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1158 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1159 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1160 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1161 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1162 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1163 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1164 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1165 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1166 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1167 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1168 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1169 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1170 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1171 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1172 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1173 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1174 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1175 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1176 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1177 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1178 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1179 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1180 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1181 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1182 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1183 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1184 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1185 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1186 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1187 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1188 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1189 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1190 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1191 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1192 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1193 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1194 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1195 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1196 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1197 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1198 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1199 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park
1200 Patent Granted	8018196.7	12/22/1995	22/85/321	Method and Apparatus for Managing Calls Using a Soft Cell Park

251	Patent Granted	9714514.0	7/11/1997	2315122	Integrated PC/Cellular Phone/Telephone Network Interface Device
252	Abandoned	9709026.6	Blank	Blank	Integrated PC/Cellular Phone/Telephone Network Interface Device
253	Patent Granted	9602784.9	4/28/1997	2324577	Remote Link Monitoring
254	Application Filed	9605076.3	4/16/1997	2344055A	Signal Access for Virtual Mobile Phone
255	Patent Granted	9605076.4	4/17/1998	Blank	Signal Access for Virtual Mobile Phone
256	Patent Granted	9621140.2	1/14/1998	2,831,201	Cell Roaming Based on Cellular Network
257	Abandoned	Blank	10/6/1997	Blank	Cell Roaming Based on Cellular Network
258	Patent Granted	2064481	9/25/1996	2004481	Remote On-Demand Applications Server
259	Abandoned	2064488	9/25/1996	2004488	Telephone Based
260	Abandoned	Blank	Blank	Blank	Telephone Based
261	Patent Granted	9709300.3	2/27/1997	Blank	Network Control of Telephony Services Using Downloadable Application
262	Patent Granted	9714587.2	7/17/1997	2311593	Managed Telephone and Data System
263	Application Filed	9609501.9	5/31/1996	2311594	Multiple Carrier Resource Management
264	Patent Granted	9715316	7/23/1997	2331176	Communications System and Method
265	Abandoned	9719708.9	9/18/1997	2319527	Simple Interconnect for Mobile Circuits
266	Abandoned	9604740	2/11/1998	Blank	Pressing Of Options
267	Abandoned	9726357.6	9/24/1997	2318460B	Distributed Bus Address Scheme with Multiple Programs
268	Patent Granted	9718823.9	9/4/1997	2,328,489	PC Peripheral Telecommunications Hub
269	Patent Granted	9604646.1	4/3/1998	2,328,489	One Button Intelligent Call Dialing
270	Patent Granted	9606270.7	3/13/1998	2324885	Automatic Web Page Creation
271	Abandoned	Blank	Blank	Blank	Two-Pole Inverted Switch
272	Application Filed	9605205.5	2/17/1996	2334405	Peer to Peer Conferencing
273	Patent Granted	9719901.2	9/18/1997	2311785	Outlook Desktop for Handheld
274	Abandoned	9719901.2	9/18/1997	2311785	Outlook Desktop for Handheld
275	Patent Granted	9626353.6	9/25/1997	2318702	Customized Telephone Greeting System
276	Abandoned	9626353.6	9/25/1997	2318702	Customized Telephone Greeting System
277	Application Filed	9608178.9	4/17/1998	2335973	System for Interactive Control of Computer and Telephone
278	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
279	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
280	Abandoned	9705286.9	3/12/1997	Blank	Interactive Web System
281	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
282	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
283	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
284	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
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287	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
288	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
289	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
290	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
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292	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
293	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
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300	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
301	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
302	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
303	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
304	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
305	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
306	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
307	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
308	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
309	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
310	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
311	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
312	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
313	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
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317	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
318	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
319	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System
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400	Patent Granted	9705286.9	3/12/1997	Blank	Interactive Web System

346	Granted	8801884.4	1/26/1988	2130477	Variable Angle Mechanism for Desktop Teletypes
347	Granted	8803352.5	7/2/1989	2132257	Teletype Set
348	Application Filed	8803042.1	2/17/1989	Blank	Point-to-Point Phone
349	Patent Granted	8810283.5	8/27/1993	2387408	Low Power Driver
350	Patent Granted	8824907.7	10/27/1993	2340942	Low Power Driver
351	Abandoned	8807612.1	4/8/1988	Blank	Echo Cancellation
352	Application Filed	8817644.8	1/22/1988	2349774	Full Duplex Emergency Call Processing
353	Patent Granted	20702.7	8/22/2000	2366317	Voice Mail by Inviting
354	Patent Granted	8829478.1	12/8/1988	2346888	Method and Apparatus for Managing Embedded PBX System to
355	Abandoned	8818868.4	9/15/1988	Blank	Generation for Extension Environment
356	Application Filed	207.1	1/7/2000	2358472	Remote Editing Dialog
357	Patent Granted	8800853	11/21/1989	2345846	Combination Connection/Network
358	Abandoned	1695.6	1/25/1990	2358782	Variable mechanism to optimize the billing process used
359	Abandoned	8816841.6	8/23/1989	2353316	User Interface for Feature Instruction Presentation
360	Abandoned	8808823.5	4/14/1989	2349040	Adaptive Feature Set for
361	Patent Granted	8840884.4	5/7/1990	2348734	Using a Gateway to Provide an H.323 Proxy
362	Abandoned	8808823.1	4/15/1988	Blank	A Two-Way for Providing of Updating Software/Firmware/Code
363	Application Filed	8839142.2	9/21/1988	Blank	Line Apparatus Security Interface for TAPI SIP
364	Application Filed	8822478	10/16/1988	Blank	On-Line Help Integration with Third Party Software
365	Abandoned	8803831.7	10/31/1989	Blank	Passive Feature Activation
366	Application Filed	8820664.8	6/8/1989	2354183	Feature based On Network Configuration
367	Application Filed	8724.2	2/17/2000	2358446	A Mechanism to Optimize a Distributed NATS Using RTP Caching
368	Application Filed	8802540.5	2/4/1989	2346461	SEDO - Segment Error Diagnostic Operation for Multi-Segment System
369	Application Filed	2743.3	2/7/2000	2358138	Feature Provisioning by Location
370	Abandoned	88467	Blank	Blank	A Method for Reducing Internet Transmission Band Width
371	Application Filed	1837	1/29/2000	2358783	Multi-Access Phone
372	Abandoned	8825948.1	11/27/1988	Blank	Voice Attachments for Voice Mail
373	Patent Granted	2054151	12/8/1995	2054151	Phone Book
374	Application Filed	8918246.2	8/18/1989	2347881	Out-of-Band
375	Application Filed	8918242.9	8/18/1989	2347880	Dynamic Rules Based Resource Allocation
376	Application Filed	8918241.1	8/18/1989	Blank	On-Band Buffering
377	Patent Granted	8918243.8	8/19/1989	Blank	Automatic synchronization of address directories for unified messaging
378	Application Filed	8918244.5	8/19/1989	Blank	Automatic selection of user preferences based on CLI data
379	Application Filed	8918245	8/19/1989	Blank	Enhanced dial by name for messaging via telephone access to electronic
380	Abandoned	8818246	8/19/1989	Blank	Automated Conference Analysis for Call Progress Tone Detection
381	Abandoned	Blank	Blank	Blank	Authenticated and Secure Voice Mail Distribution and Access
382	Abandoned	8922613.1	11/29/1989	Blank	Comments in Voice Mail
383	Abandoned	8922610.9	11/29/1989	Blank	Comments in Voice Mail
384	Application Filed	2350.7	8/27/1989	2351390	Route Optimization Over Dynamic Media
385	Patent Granted	8816384.0	8/27/1989	2346461	Out-of-Band
386	Application Filed	8838468.6	12/22/1989	2357459	Communications System Architecture for Voice Collaboration
387	Abandoned	8918383.2	8/27/1989	Blank	Automatic Speech Recognition Feature Delivery
388	Abandoned	8901.8	4/17/2000	2360505	Handwriting Profile
389	Application Filed	7880.4	3/30/2000	Blank	Virtual Phone Line Access Device
390	Abandoned	8927882.7	11/29/1989	Blank	Storage supercompression to compensate for unvoiced onset filter in
391	Patent Granted	8918837.1	5/17/1989	2350108	Using Line Aggregation to Allow Multiple Devices to Access One
392	Abandoned	8933615.1	12/24/2000	2357660	Billing Optimization for Private Communication System (PCS)
393	Abandoned	8285.2	3/7/2000	2349188	Voice Invoked Call Forwarding
394	Application Filed	10387.3	4/28/2000	2349188	Using In To A User's Appearance
395	Application Filed	8922887.4	8/28/1989	2358170	A method for the synchronization of analog and digital data in distributed
396	Patent Granted	8918837.6	7/21/1992	2351470	System for Reducing Transmission Bandwidth Using Predictive Coding

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[illegible]

11178	Expired	633994	6/16/1978	4248002	On-Band Integrated Circuit Chip Signal Source
11179	Expired	60766	4/16/1979	4220628	Routing Decoder Circuit
11180	Patent Granted	100949	12/26/1979	4283737	Routing Decoder Circuit
11181	Patent Granted	203266	11/19/1980	4376675	Indicates & Indicates Less Local Telephone Switching System
11182	Patent Granted	203266	5/18/1981	4472608	Subscriber Line Interface Circuit
11183	Patent Granted	203266	7/27/1981	4470768	Power Supply Line Circuit
11184	Patent Granted	203266	7/27/1981	4481344	Voice Theorizing Telephone Call Denial System
11185	Expired	203266	7/27/1981	4490543	Subscriber Line Interface Circuit
11186	Expired	518191	7/1/1982	4521063	Patent Circuit Board Lock
11187	Expired	384424	10/14/1983	4544906	Telephone Indicator
11188	Patent Granted	643038	6/11/1984	4605102	Switching System Loadback Test Circuit
11189	Patent Granted	643038	6/22/1986	4716007	Switch State Trunk Circuit
11190	Patent Granted	794586	11/14/1986	4734833	Telephone Line Status Circuit
11191	Patent Granted	Blank	Blank	5034618	Data Storage System
11192	Patent Granted	761023	9/27/1986	4829328	Dynamic Memory Refresh & Parity Check Circuit
11193	Patent Granted	393860	8/27/1986	4791638	Communications Switching System
11194	Patent Granted	789850	11/29/1986	4872683	Telephone Handset Indicator
11195	Patent Granted	404970	6/27/1988	5034163	Telephone System
11196	Patent Granted	619044	1/13/1988	4868732	Wireless Telephone System
11197	Patent Granted	785293	10/31/1985	4743987	LED Driver Circuit
11198	Patent Granted	631410	11/14/1986	4740540	Circuit for Switching Between Balanced Networks
11199	Patent Granted	293405	11/20/1986	4781702	Latch Up Recovery Circuit
11200	Patent Granted	127709	1/29/1987	4848371	Apparatus and Method for Synchronizing a Communication System
11201	Patent Granted	142416	1/17/1988	4905432	On-Chip Signal Processing System
11202	Patent Granted	346750	6/24/1989	5118322	On-Chip Signal Processing System
11203	Patent Granted	304472	2/14/1989	5007050	Communication System Supporting Remote Operations
11204	Patent Granted	389842	6/31/1989	4824167	Trunk Cord with Distributed Signaling Voltages
11205	Patent Granted	408102	3/23/1990	4868702	Apparatus for Testing
11206	Patent Granted	323574	3/14/1989	4964155	Programmable Threshold Alert
11207	Patent Granted	408416	10/26/1988	5106972	Group Emergency Call System
11208	Patent Granted	404888	3/18/1990	5140500	Telephone or Data Switching System
11209	Patent Granted	28838	3/31/1988	5341870	Data Transfer
11210	Patent Granted	641030	6/20/1990	5220551	Data Transfer
11211	Patent Granted	884832	6/21/1992	5324456	Digitally Controlled Ringing Signal Generator
11212	Patent Granted	850231	9/24/1992	5274834	PAGE Common Relay System
11213	Patent Granted	703789	5/24/1991	5154940	Modular Communication System with Adjustable Bandwidth
11214	Patent Granted	878526	9/5/1992	5383171	Compressed Language Dictionary
11215	Patent Granted	50900	4/21/1993	5486654	Programmable Call Progress Tones for a Switching System
11216	Patent Granted	822676	7/24/1992	5400565	System Class Receiver
11217	Patent Granted	490723	6/27/1993	5505434	System Error Count for Link Maintenance
11218	Patent Granted	870883	4/17/1992	Blank	System Error Count for Link Maintenance
11219	Patent Granted	28838	7/20/1991	4439484	Home Telephone Exchange
11220	Patent Granted	156347	10/11/1992	4530351	Home Communications and Control System
11221	Patent Granted	829347	2/22/1993	4887239	Telephone System
11222	Patent Granted	829347	2/10/1993	4721381	Telephone System
11223	Patent Granted	638524	3/14/1993	4701048	Communication System Having Separate Unidirectional Information
11224	Patent Granted	844356	3/17/1993	4720735	System for Interconnecting a Pair of Communication Systems
11225	Patent Granted	844356	3/17/1993	4720735	System for Interconnecting a Pair of Communication Systems
11226	Patent Granted	420648	10/11/1993	5064062	Circuit for Maintaining Hybrid Cancellation of Signals in a Commutator

180115	Patent Granted	508143	04/21/06	4/28/20	Programmable Subscriber Set
180116	Patent Granted	508153	11/7/1995	4815211	Subscriber Set Programming Module
180117	Patent Granted	508166	11/7/1995	4786106	Subscriber Set Programming Module
180120	Expired	315005	02/21/03	5046159	Subscriber Set Programming Module
180121	Patent Granted	508597	7/5/1/99	5046159	Data Interface for Telephony System
			895		Call key problem architecture

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