

RUSS, AUGUST & KABAT
Alexander C. Giza, SBN 212327
agiza@raklaw.com
Andrew D. Weiss, SBN 232974
aweiss@raklaw.com
Jeffrey Z.Y. Liao, SBN 288994
jliao@raklaw.com
12424 Wilshire Boulevard, 12th Floor
Los Angeles, California 90025
Telephone: (310) 826-7474
Facsimile: (310) 826-6991

*Attorneys for Plaintiff
Modern Telecom Systems LLC*

**UNITED STATES DISTRICT COURT
CENTRAL DISTRICT OF CALIFORNIA
SOUTHERN DIVISION**

MODERN TELECOM SYSTEMS
LLC, a California limited liability
company,

Plaintiff,

vs.

MICROSOFT CORPORATION, a
Washington corporation.

Defendant.

Case No. 8:14-cv-00925

**COMPLAINT FOR PATENT
INFRINGEMENT**

JURY TRIAL DEMANDED

This is an action for patent infringement in which Plaintiff Modern Telecom Systems LLC (“MTS”) makes the following allegations against Microsoft Corporation (“Microsoft”):

THE PARTIES

1. MTS is a California limited liability company.
2. On information and belief, Microsoft Corporation is a Washington corporation with its principal place of business at One Microsoft Way, Redmond,

RUSS, AUGUST & KABAT

1 Washington 98052-6399. On information and belief, Microsoft Corporation can
2 be served through its registered agent, Corporation Service Company which will
3 do business in California as CSC – Lawyers Incorporating Service, 2710 Gateway
4 Oaks Dr Ste 150N, Sacramento, CA 95833.

5 **JURISDICTION**

6 3. This action arises under the patent laws of the United States, 35
7 U.S.C. § 1, et seq., including § 271. This Court has subject matter jurisdiction
8 pursuant to 28 U.S.C. §§ 1331 and 1338(a).

9 4. This Court has personal jurisdiction over Microsoft because, on
10 information and belief, Microsoft has done business in this District, has committed
11 and continues to commit acts of patent infringement in this District, and/or has
12 harmed and continues to harm MTS in this District, by, among other things, using,
13 selling, offering for sale, and/or importing infringing products and services in this
14 District. In addition, Microsoft is registered to do business in California.

15 5. Venue is proper in this District under 28 U.S.C. §§ 1391(b)-(d) and
16 1400(b) because, among other reasons, Microsoft is subject to personal jurisdiction
17 in this District, and has committed and continues to commit acts of patent
18 infringement in this District. On information and belief, for example, Microsoft
19 has used, sold, offered for sale, and/or imported infringing products or services in
20 this District.

21 **FACTUAL BACKGROUND**

22 6. The technology claimed in the patents asserted in this action was
23 invented during the research and development activities of the Rockwell,
24 Conexant, and Mindspeed family of companies. In 1999, Rockwell International
25 spun off Rockwell Semiconductor group as Conexant Systems Inc. Conexant
26 inherited Rockwell’s mixed signal semiconductor expertise and intellectual
27 property portfolio, and was focused on developing semiconductor products for a
28 broad range of communications applications. These applications included wireline

1 and wireless voice and data communication networks. Conexant's Internet
2 Infrastructure group was incorporated as Mindspeed Technologies (as a wholly-
3 owned subsidiary) in 2001 and spun-off as an independent entity in 2003.
4 Mindspeed's focus is on semiconductor and software solutions for Internet access
5 devices, switching fabric, and network processors.

6 7. MTS is the owner of the patents asserted in this action and has the
7 exclusive right to sue for past, present, and future infringement of these patents.
8 MTS assumed all the rights and obligations related to these patents from Glocom
9 Patents Licensing, LLC, which in turn assumed all the rights and obligations
10 related to these patents from V-Dot Technologies, LLC (formerly V-Dot
11 Technologies, Limited) ("VDOT"), which in turn assumed all the rights and
12 obligations related to these patents from Telecom Technology Licensing, LLC
13 ("TTL"), which in turn assumed all the rights and obligations related to these
14 patents from Mindspeed Technologies, Inc.

15 8. MTS does not make, offer for sale, or sell within the United States
16 any article covered by the patents asserted in this action, nor does MTS import any
17 article covered by the patents asserted in this action into the United States.
18 Accordingly, MTS has complied with 35 USC § 287.

19 COUNT I

20 INFRINGEMENT OF U.S. PATENT NO. 6,504,886

21 9. United States Patent No. 6,504,886 ("the '886 patent"), entitled
22 "Communication of an impairment learning sequence according to an impairment
23 learning sequence descriptor," issued on January 7, 2003 from United States Patent
24 Application No. 09/956,207 filed on September 19, 2001. Application No.
25 09/956,207 is a Continuation of U.S. Patent Application Ser. No. 08/969,971,
26 entitled Method and Apparatus for Generating a Line Impairment Learning Signal
27 for a Data Communication System, filed Nov. 13, 1997 now U.S. Pat. No.
28 6,332,009, which is a Continuation-In-Part of U.S. Patent Application Ser. No.

1 08/922,851, entitled Method and Apparatus for Generating a Programmable
2 Synchronization Signal for a Data Communication System, filed Sep. 3, 1997, now
3 U.S. Pat. No. 6,212,247. A true and correct copy of the '886 patent is attached as
4 Exhibit A.

5 10. Microsoft sells and offers for sale, in the United States and in this
6 District, the following products through its website at
7 <http://www.microsoftstore.com>:

8 a. Surface RT tablet computers (see
9 [http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-](http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-RT/productID.286870700)
10 [RT/productID.286870700](http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-RT/productID.286870700));

11 b. Surface 2 tablet computers (see
12 [http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-](http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-2/productID.286867200)
13 [2/productID.286867200](http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-2/productID.286867200));

14 c. Surface Pro 2 tablet computers (see
15 [http://www.microsoftstore.com/store/msusa/pdp/en_US/Surface-Pro-](http://www.microsoftstore.com/store/msusa/pdp/en_US/Surface-Pro-2/productID.286866600?Icid=SurfaceCat_StickyNav_3_SP2_11.10.13)
16 [2/productID.286866600?Icid=SurfaceCat_StickyNav_3_SP2_11.10.13](http://www.microsoftstore.com/store/msusa/pdp/en_US/Surface-Pro-2/productID.286866600?Icid=SurfaceCat_StickyNav_3_SP2_11.10.13));

17 d. Surface Pro 3 tablet computers (see
18 [http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
19 [3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pk](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
20 [w=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
21 [mc_id=pointitsem_Microsoft+US_google_5+-](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
22 [+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.ca](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
23 [mpaign=5+-](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc)
24 [+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc](http://surface.microsoftstore.com/store/msusa/en_US/pdp/Surface-Pro-3/productID.300190600?tid=s7rxSmy2_dc&cid=5250&pccid=36612312173&pkw=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&pmt=b&WT.srch=1&WT.mc_id=pointitsem_Microsoft+US_google_5+-+Surface&WT.term=%2Bmicrosoft%20%2Bsurface%20%2B3%20price&WT.campaign=5+-+Surface&WT.content=7rxSmy2&WT.source=google&WT.medium=cpc))

25 e. Xbox One Consoles (see
26 [http://www.microsoftstore.com/store/msusa/en_US/html/pbPage.PDPS/productID.](http://www.microsoftstore.com/store/msusa/en_US/html/pbPage.PDPS/productID.304306700)
27 [304306700](http://www.microsoftstore.com/store/msusa/en_US/html/pbPage.PDPS/productID.304306700)).

RUSS, AUGUST & KABAT

1 11. Microsoft has been and now is directly infringing one or more claims
2 of the ‘886 Patent, in this judicial District and elsewhere in the United States, by,
3 among other things, practicing a method of communicating a learning sequence
4 descriptor for use in constructing a learning sequence, said method comprising:
5 transmitting a first parameter specifying a number of segments in said learning
6 sequence; transmitting a second parameter specifying a sign pattern of each of said
7 segments; and transmitting a third parameter specifying a training pattern of each
8 of said segments, wherein said training pattern is indicative of an ordering of a
9 reference symbol and a training symbol in each of said segments. Upon
10 information and belief, Microsoft practices the claimed method during its internal
11 testing and repair of its Surface RT, Surface 2, Surface Pro 2, and Surface Pro 3
12 tablet computers and Xbox One consoles when such devices are connected to a
13 network using the IEEE 802.11n Wi-Fi protocol standard. See
14 [http://www.microsoft.com/surface/en-us/support/warranty-service-and-](http://www.microsoft.com/surface/en-us/support/warranty-service-and-recovery/how-do-i-get-my-surface-serviced)
15 [recovery/how-do-i-get-my-surface-serviced](http://www.microsoft.com/surface/en-us/support/warranty-service-and-recovery/how-do-i-get-my-surface-serviced).

16 12. Microsoft has had knowledge of the ‘886 patent since at least the
17 filing of this Complaint for Patent Infringement or shortly thereafter, and Microsoft
18 has induced its customers, users of Xbox One consoles, to practice a method of
19 communicating a learning sequence descriptor for use in constructing a learning
20 sequence, said method comprising: transmitting a first parameter specifying a
21 number of segments in said learning sequence; transmitting a second parameter
22 specifying a sign pattern of each of said segments; and transmitting a third
23 parameter specifying a training pattern of each of said segments, wherein said
24 training pattern is indicative of an ordering of a reference symbol and a training
25 symbol in each of said segments.

26 13. Microsoft instructs its customers, users of the Xbox One console, that
27 **“Superior wireless performance and coverage throughout the home:** Xbox One
28 is equipped with a gigabit Ethernet port and 802.11n wireless. With 802.11n, Xbox

1 One can use the 5GHz wireless band which eliminates considerable interference
2 from other devices in the home, such as cordless phones, Bluetooth devices and
3 microwaves. Xbox One uses two wireless antennas, versus one in Xbox 360. This
4 provides dramatically better coverage and sustained performance, which means
5 faster internet speeds in more areas of your home.” (see
6 <http://news.xbox.com/2013/06/connected>).

7 14. In touting the benefits of using 802.11n wireless connections with
8 Xbox One consoles to “eliminate[] considerable interference from other devices in
9 the home, such as cordless phones, Bluetooth devices and microwaves” and enjoy
10 “dramatically better coverage and sustained performance, which means faster
11 internet speeds in more areas of your home”, Microsoft specifically intended to
12 encourage its customers to use Xbox One consoles to connect to Wi-Fi networks
13 using the 802.11n protocol in an infringing manner, knowing that the use of such
14 protocols constituted infringement of the ‘886 patent. Thus, Microsoft has induced
15 its customers to infringe the ‘886 Patent literally and/or under the doctrine of
16 equivalents. Upon information and belief, Microsoft acted with the specific intent
17 to induce its customers to connect to Wi-Fi networks using the method claimed by
18 the ‘886 Patent by continuing the above-mentioned activities with knowledge of
19 the ‘886 Patent.

20 COUNT II

21 INFRINGEMENT OF U.S. PATENT NO. 6,332,009

22 15. United States Patent No. 6,332,009 (“the ‘009 patent”), entitled
23 “Method and apparatus for generating a line impairment learning signal for a data
24 communication system,” issued on December 18, 2001 from United States Patent
25 Application No. 08/969,971 filed on November 13, 1997. Application No.
26 08/969,971 is a Continuation-In-Part of U.S. Patent Application Ser. No.
27 08/922,851, entitled Method and Apparatus for Generating a Programmable
28

1 Synchronization Signal for a Data Communication System, filed Sep. 3, 1997. A
2 true and correct copy of the '009 patent is attached as Exhibit B.

3 16. Microsoft has been and now is directly infringing one or more claims
4 of the '009 Patent, in this judicial District and elsewhere in the United States, by,
5 among other things, practicing an impairment learning method for use over a
6 communication channel, said method comprising: transmitting a learning sequence
7 descriptor over said communication channel, said learning sequence descriptor
8 having a training symbol order; receiving a learning signal over said
9 communication channel, said learning signal having a member of segments, each
10 of said segments being associated with a sequence of symbols configured in
11 accordance with said learning sequence descriptor, wherein said training symbol
12 order is indicative of an assignment of a plurality of training symbols to said
13 number of segments; and learning an impairment of said communication channel
14 according to said learning signal. Upon information and belief, Microsoft practices
15 the claimed method during its internal testing and repair of its Surface RT, Surface
16 2, Surface Pro 2, and Surface Pro 3 tablet computers and Xbox One consoles when
17 such devices are connected to a network using the IEEE 802.11n Wi-Fi protocol
18 standard. See [http://www.microsoft.com/surface/en-us/support/warranty-service-](http://www.microsoft.com/surface/en-us/support/warranty-service-and-recovery/how-do-i-get-my-surface-serviced)
19 [and-recovery/how-do-i-get-my-surface-serviced](http://www.microsoft.com/surface/en-us/support/warranty-service-and-recovery/how-do-i-get-my-surface-serviced).

20 17. Microsoft has had knowledge of the '009 patent since at least the
21 filing of this Complaint for Patent Infringement or shortly thereafter, and Microsoft
22 has induced its customers, users of Xbox One consoles, to practice an impairment
23 learning method for use over a communication channel, said method comprising:
24 transmitting a learning sequence descriptor over said communication channel, said
25 learning sequence descriptor having a training symbol order; receiving a learning
26 signal over said communication channel, said learning signal having a member of
27 segments, each of said segments being associated with a sequence of symbols
28 configured in accordance with said learning sequence descriptor, wherein said

1 training symbol order is indicative of an assignment of a plurality of training
2 symbols to said number of segments; and learning an impairment of said
3 communication channel according to said learning signal.

4 18. Microsoft also instructs its customers, users of the Xbox One console,
5 that “**Superior wireless performance and coverage throughout the home:** Xbox
6 One is equipped with a gigabit Ethernet port and 802.11n wireless. With 802.11n,
7 Xbox One can use the 5GHz wireless band which eliminates considerable
8 interference from other devices in the home, such as cordless phones, Bluetooth
9 devices and microwaves. Xbox One uses two wireless antennas, versus one in
10 Xbox 360. This provides dramatically better coverage and sustained performance,
11 which means faster internet speeds in more areas of your home.” (see
12 <http://news.xbox.com/2013/06/connected>).

13 19. In touting the benefits of using 802.11n wireless connections with
14 Xbox One consoles to “eliminate[] considerable interference from other devices in
15 the home, such as cordless phones, Bluetooth devices and microwaves” and enjoy
16 “dramatically better coverage and sustained performance, which means faster
17 internet speeds in more areas of your home”, Microsoft specifically intended to
18 encourage its customers to use Xbox One consoles to connect to Wi-Fi networks
19 using the 802.11n protocol in an infringing manner, knowing that the use of such
20 protocols constituted infringement of the ‘009 patent. Thus, Microsoft has induced
21 its customers to infringe the ‘009 Patent literally and/or under the doctrine of
22 equivalents. Upon information and belief, Microsoft acted with the specific intent
23 to induce its customers to connect to Wi-Fi networks using the method claimed by
24 the ‘009 Patent by continuing the above-mentioned activities with knowledge of
25 the ‘009 Patent.

26 **COUNT III**

27 **INFRINGEMENT OF U.S. PATENT NO. 5,970,100**

28

1 20. United States Patent No. 5,970,100 (“the ‘100 patent”), entitled
2 “System for controlling and shaping the spectrum and redundancy of signal-point
3 limited transmission,” issued on October 19, 1999 from United States Patent
4 Application No. 09/047,802 filed on March 25, 1998. Application No. 09/047,802
5 is a continuation-in-part of U.S. Pat. Application Serial No. 08/756,383 filed on
6 November 27, 1996. Application No. 08/756,383 is a continuation-in-part of U.S.
7 Pat. Application Ser. No. 08/746,731, filed November 15, 1996. A true and correct
8 copy of the ‘100 patent is attached as Exhibit C.

9 21. Microsoft has been and now is directly infringing one or more claims
10 of the ‘100 patent, in this judicial District and elsewhere in the United States, by
11 practicing a method of spectrally shaping transmitted samples with a set of
12 predetermined frequency characteristics and a predetermined set of allowable
13 transmitted signal levels, wherein a transmitted sample is either of an unmodified
14 source sample or a dependent sample, the transmitted samples being transmitted in
15 data frames, said method comprising the steps of: (a) calculating, for each of the
16 transmitted samples, a Running Filter Sum of unwanted components up to the
17 current sample, wherein said Running Filter Sum is based on a biquad filter; (b)
18 computing an objective function in accordance with the Running Filter Sum
19 obtained in Step (a); (c) selecting, for each data frame of transmitted samples, at
20 least one redundant sample to be added or modified within the data frame such that
21 the objective function of Step (b) is optimized. Upon information and belief,
22 Microsoft practices the claimed method during testing and commercial operation
23 of its MSN dial-up internet service (see <http://get.msn.com>) when Microsoft
24 customers connect using the ITU V.90 or V.92 (56Kbps) connection protocol.

25 22. Microsoft has had knowledge of the ‘100 patent since at least the
26 filing of the Complaint for Patent Infringement or shortly thereafter, and Microsoft
27 has induced its vendors, providers of dial-up modem banks that support
28 connections using the ITU V.90 or V.92 (56Kbps) protocol, to practice a method

1 of spectrally shaping transmitted samples with a set of predetermined frequency
 2 characteristics and a predetermined set of allowable transmitted signal levels,
 3 wherein a transmitted sample is either of an unmodified source sample or a
 4 dependent sample, the transmitted samples being transmitted in data frames, said
 5 method comprising the steps of: (a) calculating, for each of the transmitted
 6 samples, a Running Filter Sum of unwanted components up to the current sample,
 7 wherein said Running Filter Sum is based on a biquad filter; (b) computing an
 8 objective function in accordance with the Running Filter Sum obtained in Step (a);
 9 (c) selecting, for each data frame of transmitted samples, at least one redundant
 10 sample to be added or modified within the data frame such that the objective
 11 function of Step (b) is optimized.

12 23. For example, when a V.92-compatible modem is used to dial into the
 13 MSN service using a dial-up access number provided by Microsoft at
 14 <https://support.msn.com/>, a V.92 connection will be established:

15 <https://support.msn.com/accessnumbersresults.aspx>

16

17 **msn Support**

18 English (United States)

19 Home » Dial-up access numbers »

20 **Tasks**

- 21 Network Status
- 22 Dial-up access numbers
- 23 Cancel My Account
- 24 Order an MSN CD
- 25 MSN Subscription Agreement

26 **Online Safety & Security**

- 27 My Microsoft Billing Account
- 28 Change Password
- Forgot Password
- Change MSN Profile

29 **Dial-up access number Results**

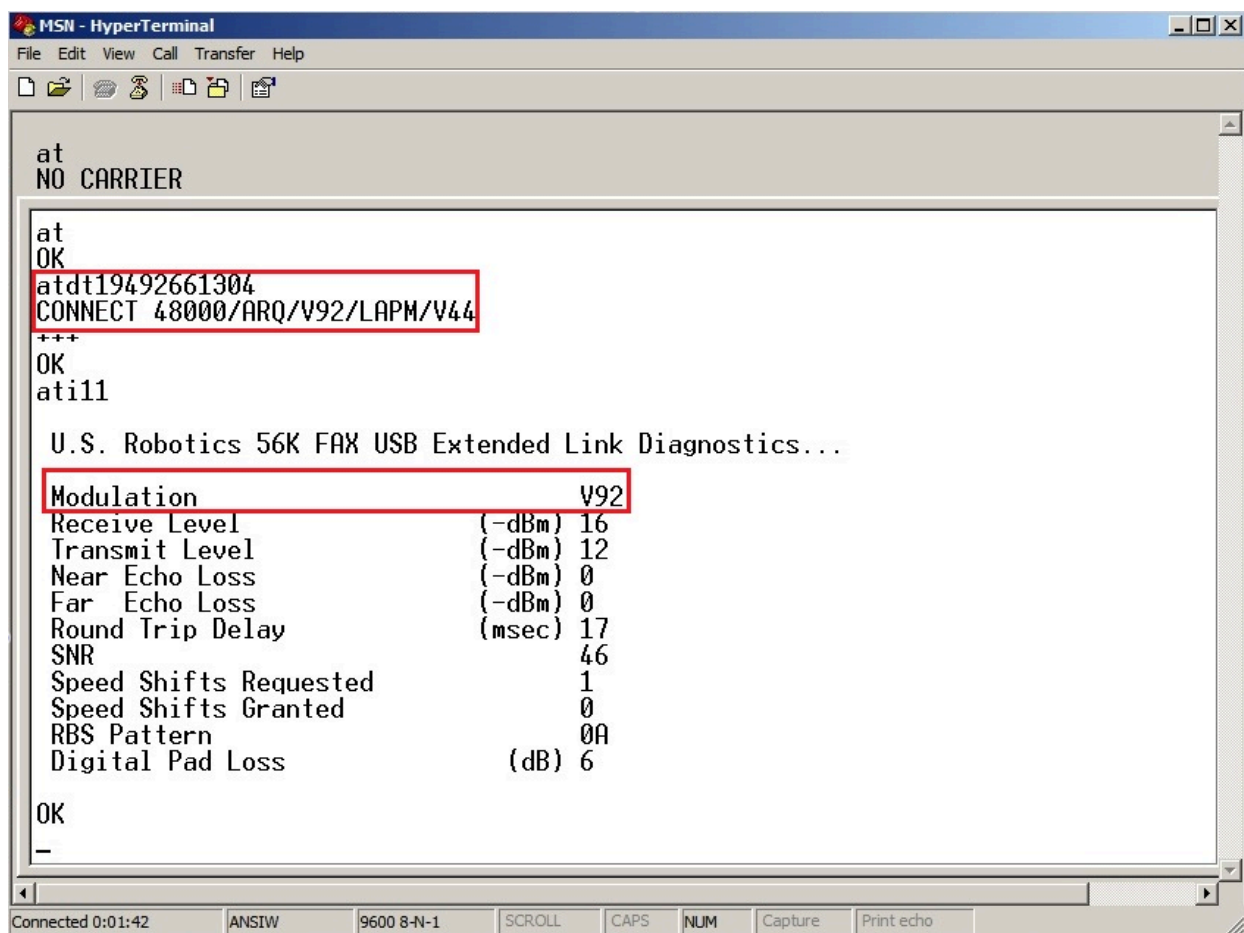
30 **Dial-up access numbers - Internet Access**

31 **Please contact your telephone company to confirm that the numbers you select are local numbers for your area. You are responsible for all long distance charges incurred. MSN will not reimburse you for long distance charges incurred.**

(949) 266-1304	Irvine CA
(949) 209-1304	Newport Beach CA
(714) 418-4022	Santa Ana CA
(714) 426-5980	Santa Ana CA
(714) 905-9781	Anaheim CA
(714) 905-9782	Anaheim CA
(949) 525-4676	Saddleback Valley CA
(714) 705-4039	Garden Grove CA
(949) 203-7604	Saddleback Valley CA
(949) 666-1304	Trabuco CA

RUSS, AUGUST & KABAT

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28



24. On information and belief, each of the dial-up access numbers provided by Microsoft corresponds to a dial-up modem bank operated by one of Microsoft’s vendors. Upon information and belief, in contracting with its vendors to provide dial-up modem banks that support connections using the V.90 or V.92 protocol so that Microsoft can advertise to customers and potential customers that its access numbers support V.90 or V.92 connections, Microsoft specifically intended to encourage its vendors to connect to its customers’ modems using the V.90 or V.92 protocol, knowing that the use of such protocols constituted infringement of the ‘100 patent. Thus, Microsoft has induced its vendors to infringe the ‘100 Patent literally and/or under the doctrine of equivalents. Upon information and belief, Microsoft acted with the specific intent to induce its vendors to connect to its customers’ modems using the methods claimed by the

1 ‘100 Patent by continuing the above-mentioned activities with knowledge of the
2 ‘100 Patent.

3 **COUNT IV**

4 **INFRINGEMENT OF U.S. PATENT NO. 6,163,570**

5 25. United States Patent No. 6,163,570 (the ‘570 patent”), entitled
6 “Methods and apparatus for verifying transmit power levels in a signal point
7 limited transmission system,” issued on December 19, 2000 from United States
8 Patent Application No. 09/075,719 filed on May 11, 1998. A true and correct copy
9 of the ‘570 patent is attached as Exhibit D.

10 26. Microsoft has been and now is directly infringing one or more claims
11 of the ‘570 patent, in this judicial District and elsewhere in the United States, by
12 practicing a method for verifying transmit power levels in a signal point limited
13 transmission system, wherein said system having: a first device configured to
14 communicate with a second device over a communication channel; said method
15 comprising the steps of: receiving at said first device, a plurality of signal points
16 from said second device, said plurality of signal points having a first computed
17 transmit power, as determined by said second device, less than or equal to a
18 transmit power limit, said first computed transmit power being calculated in
19 accordance with a transmit power calculation formula; calculating, at said first
20 device, in accordance with said transmit power calculation formula, a second
21 computed transmit power of said plurality of signal points; and comparing, at said
22 first device, said second computed transmit power with said transmit power limit,
23 to determine whether said second computed transmit power is less than or equal to
24 said transmit power limit. Upon information and belief, Microsoft practices the
25 claimed method during testing of and commercial operation of its MSN dial-up
26 internet service (see <http://get.msn.com>) when Microsoft customers connect using
27 the ITU V.90 or V.92 (56Kbps) connection protocol.
28

1 27. Microsoft has had knowledge of the '570 patent since at least the
2 filing of the Complaint for Patent Infringement or shortly thereafter, and Microsoft
3 has induced its vendors, providers of dial-up modem banks that support
4 connections using the ITU V.90 or V.92 (56Kbps) protocol, to practice a method
5 for verifying transmit power levels in a signal point limited transmission system,
6 wherein said system having: a first device configured to communicate with a
7 second device over a communication channel; said method comprising the steps of:
8 receiving at said first device, a plurality of signal points from said second device,
9 said plurality of signal points having a first computed transmit power, as
10 determined by said second device, less than or equal to a transmit power limit, said
11 first computed transmit power being calculated in accordance with a transmit
12 power calculation formula; calculating, at said first device, in accordance with said
13 transmit power calculation formula, a second computed transmit power of said
14 plurality of signal points; and comparing, at said first device, said second
15 computed transmit power with said transmit power limit, to determine whether said
16 second computed transmit power is less than or equal to said transmit power limit.

17 28. For example, when a V.92-compatible modem is used to dial into the
18 MSN service using a dial-up access number provided by Microsoft at
19 <https://support.msn.com/>, a V.92 connection will be established:
20
21
22
23
24
25
26
27
28

RUSS, AUGUST & KABAT

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

← → ↻ <https://support.msn.com/accessnumbersresults.aspx>

msn Support

English (United States)

Home » Dial-up access numbers » Dial-up access number Results

Dial-up access numbers - Internet Access

Please contact your telephone company to confirm that the numbers you select are local numbers for your area. You are responsible for all long distance charges incurred. MSN will not reimburse you for long distance charges incurred.

- (949) 266-1304 Irvine CA
- (949) 209-1304 Newport Beach CA
- (714) 418-4022 Santa Ana CA
- (714) 426-5980 Santa Ana CA
- (714) 905-9781 Anaheim CA
- (714) 905-9782 Anaheim CA
- (949) 525-4676 Saddleback Valley CA
- (714) 705-4039 Garden Grove CA
- (949) 203-7604 Saddleback Valley CA
- (949) 666-1304 Trabuco CA

Tasks

- Network Status
- Dial-up access numbers
- Cancel My Account
- Order an MSN CD
- MSN Subscription Agreement

Online Safety & Security

- My Microsoft Billing Account
- Change Password
- Forgot Password
- Change MSN Profile

MSN - HyperTerminal

File Edit View Call Transfer Help

```

at
NO CARRIER

at
OK
atdt19492661304
CONNECT 48000/ARQ/V92/LAPM/V44
+++
OK
ati11

U.S. Robotics 56K FAX USB Extended Link Diagnostics...

Modulation V92
Receive Level (-dBm) 16
Transmit Level (-dBm) 12
Near Echo Loss (-dBm) 0
Far Echo Loss (-dBm) 0
Round Trip Delay (msec) 17
SNR 46
Speed Shifts Requested 1
Speed Shifts Granted 0
RBS Pattern 0A
Digital Pad Loss (dB) 6

OK
-

```

Connected 0:01:42 ANSIW 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

RUSS, AUGUST & KABAT

1 active concert therewith from infringing the ‘886 patent, ‘009 patent, ‘100 patent,
2 and ‘570 patent. In particular, Microsoft’s disregard for MTS’s property rights
3 threatens MTS’s relationships with the actual and potential licensees of this
4 intellectual property, inasmuch as Microsoft will derive a competitive advantage
5 over any of MTS’s current or future licensees by using MTS’s patented technology
6 without paying compensation for such use. Accordingly, unless and until
7 Microsoft’s continued acts of infringement are enjoined, MTS will suffer further
8 irreparable harm for which there is no adequate remedy at law.

9 **PRAYER FOR RELIEF**

10 WHEREFORE, MTS prays that this Court grant it the following relief:

11 A. A judgment in favor of MTS that Microsoft has infringed the ‘886
12 patent, ‘009 patent, ‘100 patent, and ‘570 patent;

13 B. A permanent injunction enjoining Microsoft and its officers, directors,
14 agents, servants, affiliates, employees, divisions, branches, subsidiaries, parents,
15 and all others acting in active concert therewith from infringement of the ‘886
16 patent, ‘009 patent, ‘100 patent, and ‘570 patent, or such other equitable relief the
17 Court determines is warranted;

18 C. A judgment and order requiring Microsoft to pay MTS its damages,
19 costs, expenses, and prejudgment and post-judgment interest for Defendant’s
20 infringement of the ‘886 patent, ‘009 patent, ‘100 patent, and ‘570 patent as
21 provided under 35 U.S.C. § 284;

22 D. A judgment and order finding that this is an exceptional case within
23 the meaning of 35 U.S.C. § 285 and awarding to MTS its reasonable attorneys’
24 fees against Microsoft;

25 E. A judgment and order requiring Microsoft to provide an accounting
26 and to pay supplemental damages to MTS, including without limitation, pre-
27 judgment and post-judgment interest; and

28 F. Any and all other relief to which MTS may be entitled.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

DEMAND FOR JURY TRIAL

MTS, under Rule 38 of the Federal Rules of Civil Procedure, requests a trial by jury of any issues so triable by right.

DATED: June 13, 2014

RUSS, AUGUST & KABAT

Alexander C. Giza, SBN 212327
agiza@raklaw.com

Andrew D. Weiss, SBN 232974
aweiss@raklaw.com

Jeffrey Z.Y. Liao, SBN 288994
jliao@raklaw.com

12424 Wilshire Boulevard, 12th Floor
Los Angeles, California 90025
Telephone: (310) 826-7474
Facsimile: (310) 826-6991

Attorneys for Plaintiff
Modern Telecom Systems LLC

RUSS, AUGUST & KABAT