ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS PATENT HOLDER STATEMENT

Please return via mail, email (scanned with signature), or fax to:

General Counsel

ATIS

1200 G Street, N.W., Suite 500

Washington, D.C. 20005 USA

Fax: +1 (888) 874-0973 Email: patents@atis.org

This form may be used consistent with ATIS' Intellectual Property Rights Policy, which may be found in ATIS Operating Procedures (Version 5.1), Section 10.4 by the holder of a patented invention that may be required for adopting, complying with or otherwise utilizing an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form is voluntary.

Neither ATIS nor any of its Forums or Committees shall be responsible for and expressly take no position concerning the information reflected in the form, or as respects the validity, enforceability or scope of any patented invention referenced in or identified in the form, or concerning the relevance or applicability of any such patented invention to an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form, or its submission to ATIS, is not and shall not be construed as the grant of a license in connection with any patented inventions identified. Nor shall this form or its use create or imply any obligation by the holder of a patented invention to conduct a patent search. To the extent that a license may be sought from the holder of the patented invention identified in this form, the discussion and negotiation of all license terms shall occur directly between the holder of the patented invention and each prospective licensee outside the deliberations of ATIS and its Forums and Committees.

No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

A. PARTY SUBMITTING THE STATEMENT

Legal Name (e.g. XYZ Corp.):	
AT&T Intellectual Property II, LP	

B. CONTACT FOR LICENSING INFORMATION

Contact Name:	Joseph M. Sommer	Title:	Assistant Vice President - Patent Licensing
Department:	AT&T Intellectual Property		
Telephone:	908-234-5211	Fax:	908-234-8130
Email:	js1893@att.com		

ATTO De la la	
ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.201, TS 36.211
Title:	System And Method For Optimizing Spectral Efficiency Using Time-Frequency-Code Slicing
Other tracking identifiers*, if appropriate:	6,018,528
Committee and Issue nu	ole information is not available, please provide available tracking identifiers (e.g., amber, working text number, contribution number).
D. LICENSING ASSURAN	VCE
n accordance with Section 10 leclares the following (check	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which wo	ng this Statement does not hold or does not currently intend holding any invention buld be required for compliance with the ATIS-developed American National TIS deliverable identified in Section C.
required for complia deliverable identifie more particularly in	g this Statement may hold a patent covering an invention the use of which may be cance with the ATIS-developed American National Standard or other ATIS and in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American of other ATIS deliverable (check only one box):
free of any	ble license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS
compen claim(s) with the identifie	ere if the Party submitting this Statement reserves the right to obtain sation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.
or	
free of any i	le license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;
Mark he	ere Kif such licensing assurance is subject to applicant reciprocity.
or	
c. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.
	Page 2 of 4

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks	
ATIS Document Number:	TS 36.201, TS 36.211, TS 36.213	
Title:	System And Method For Optimizing Spectral Efficiency Using Time-Frequency-Code Slicing	
Other tracking identifiers*, if appropriate:	6,064,662	
Note: If the standard/delivera Committee and Issue n	ble information is not available, please provide available tracking identifiers (e.g., number, working text number, contribution number).	
D. LICENSING ASSURA	NCE	
n accordance with Section 1 eclares the following (check	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby k box 1, 2a, 2b or 2c and either box 3a or 3b):	
the use of which w	ng this Statement does not hold or does not currently intend holding any invention ould be required for compliance with the ATIS-developed American National ATIS deliverable identified in Section C.	
required for compl deliverable identifi more particularly i	ng this Statement may hold a patent covering an invention the use of which may be iance with the ATIS-developed American National Standard or other ATIS ed in Section C, and with respect to claim(s) of such patent(s), as may be specified in Section E, that are required for compliance with that ATIS-developed American or other ATIS deliverable (check only one box):	
free of any	able license will be made available under reasonable terms and conditions that are demonstrabl unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS;	
compe claim(s with th identifi	here if the Party submitting this Statement reserves the right to obtain installing installing the reserves the right to obtain installing from applicants who are only willing to license, for compensation, their is of patents covering an invention, the use of which is required for compliance e ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of fair discrimination.	
or		
free of any	ble license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license cose of implementing the American National Standard or other ATIS deliverable;	
Mark h	ere 🗵 if such licensing assurance is subject to applicant reciprocity.	
or c. Is unwilling	g or unable to grant licenses according to the provisions of either 2a or 2b.	
	Page 2 of 4	

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.300, TS 36.302, TS 36.211,
Title:	Method For Multitone Division Multiple Access Communications
Other tracking identifiers*, if appropriate:	6,072,769
Note: If the standard/deliveral Committee and Issue no D. LICENSING ASSURAN	ole information is not available, please provide available tracking identifiers (e.g., amber, working text number, contribution number).
n accordance with Section 10 leclares the following (check	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which wo	ng this Statement does not hold or does not currently intend holding any invention buld be required for compliance with the ATIS-developed American National TIS deliverable identified in Section C.
required for compli- deliverable identifie more particularly in	and this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS and in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American, or other ATIS deliverable (check only one box):
free of any	ble license will be made available under reasonable terms and conditions that are demonstrable unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS
compen claim(s) with the identifie	here if the Party submitting this Statement reserves the right to obtain issation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance a ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.
or	
free of any	ole license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;
Mark he	ere K if such licensing assurance is subject to applicant reciprocity.
or	
C. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.
	Page 2 of 4

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.300 , TS 36.211,TS 36.213
Title:	Method And Apparatus For Enhancing Communication Reception At A Wireless Communications Terminal
Other tracking identifiers*, if appropriate:	6,131,016
Note: If the standard/deliverab Committee and Issue nu	ble information is not available, please provide available tracking identifiers (e.g., amber, working text number, contribution number).
D. LICENSING ASSURAN	NCE .
	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which wo	ng this Statement does not hold or does not currently intend holding any invention buld be required for compliance with the ATIS-developed American National TIS deliverable identified in Section C.
required for compliated deliverable identified more particularly in	g this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS and in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American rother ATIS deliverable (check only one box):
free of any u	ble license will be made available under reasonable terms and conditions that are demonstrable unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS
compen claim(s) with the identifie	ere if the Party submitting this Statement reserves the right to obtain sation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.
or	
free of any i	le license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;
Mark he	ere X if such licensing assurance is subject to applicant reciprocity.
or	
c. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.
	Page 2 of 4

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.300, TS 36.211,
Title:	Transmitter Diversity Technique For Wireless Communications
Other tracking identifiers*, if appropriate:	6,185,258
	ble information is not available, please provide available tracking identifiers (e.g., amber, working text number, contribution number).
D. LICENSING ASSURA	-
	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which wo	ng this Statement does not hold or does not currently intend holding any invention buld be required for compliance with the ATIS-developed American National TIS deliverable identified in Section C.
required for compli deliverable identific more particularly in	ng this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS ed in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American or other ATIS deliverable (check only one box):
free of any	able license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS
comper claim(s with the identific	nere if the Party submitting this Statement reserves the right to obtain a sation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance a ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.
or	
free of any	ole license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;
Mark he	ere 🔀 if such licensing assurance is subject to applicant reciprocity.
or c. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.
L C. 13 unwinning	Page 2 of 4

1 1		
ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks	
ATIS Document Number:	TS 36.211	
Title:	Method And Apparatus For Data Transmission Using Multiple Transmit Antennas	
Other tracking identifiers*, fappropriate: 6,889,355		
Committee and Issue no LICENSING ASSURAN	ole information is not available, please provide available tracking identifiers (e.g., number, working text number, contribution number). NCE 0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby	
The Party submittir the use of which we	box 1, 2a, 2b or 2c and either box 3a or 3b): ng this Statement does not hold or does not currently intend holding any invention ould be required for compliance with the ATIS-developed American National ATIS deliverable identified in Section C.	
required for compli deliverable identifie more particularly in	ng this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS ed in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American or other ATIS deliverable (check only one box):	
free of any	able license will be made available under reasonable terms and conditions that are demonstrable unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS	
comper claim(s with the identific	nere if the Party submitting this Statement reserves the right to obtain insation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance a ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of fair discrimination.	
or		
free of any	ole license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license cose of implementing the American National Standard or other ATIS deliverable;	
Mark he	ere K if such licensing assurance is subject to applicant reciprocity.	
or		
c. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.	
	Page 2 of 4	

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks	
ATIS Document Number:	TS 36.300, TS 36.211,	
Title:	System And Method For Data Scrambling To Reduce The Crest Factor In An OFDM Waveform	
Other tracking identifiers*, if appropriate:	7,539,172	
	ble information is not available, please provide available tracking identifiers (e.g., umber, working text number, contribution number).	
D. LICENSING ASSURA	NCE	
	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby box 1, 2a, 2b or 2c and either box 3a or 3b):	
the use of which wo	ng this Statement does not hold or does not currently intend holding any invention buld be required for compliance with the ATIS-developed American National ATIS deliverable identified in Section C.	
required for compli deliverable identific more particularly in	ng this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS ed in Section C, and with respect to claim(s) of such patent(s), as may be specified a Section E, that are required for compliance with that ATIS-developed American or other ATIS deliverable (check only one box):	
free of any	able license will be made available under reasonable terms and conditions that are demonstrable unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS	
comper claim(s with the identific	nere if the Party submitting this Statement reserves the right to obtain a sation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance a ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.	
or		
free of any	ole license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;	
Mark he	ere K if such licensing assurance is subject to applicant reciprocity.	
or		
c. Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.	
•	Page 2 of 4	

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.101, TS 36.211, TS 36.213,
Title:	Diversity Technique For Wireless Communications
Other tracking identifiers*, if appropriate:	8,355,475
Note: If the standard/deliverable Committee and Issue nu	le information is not available, please provide available tracking identifiers (e.g., imber, working text number, contribution number).
n accordance with Section 10 eclares the following (check	box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which wo	g this Statement does not hold or does not currently intend holding any invention ould be required for compliance with the ATIS-developed American National TIS deliverable identified in Section C.
required for complie deliverable identifie more particularly in	g this Statement may hold a patent covering an invention the use of which may be ance with the ATIS-developed American National Standard or other ATIS d in Section C, and with respect to claim(s) of such patent(s), as may be specified Section E, that are required for compliance with that ATIS-developed American rother ATIS deliverable (check only one box):
free of any	ble license will be made available under reasonable terms and conditions that are demonstrab infair discrimination, without compensation, to applicants desiring to utilize the he purpose of implementing the American National Standard or other ATIS
compen claim(s) with the identifie	ere if the Party submitting this Statement reserves the right to obtain sation from applicants who are only willing to license, for compensation, their of patents covering an invention, the use of which is required for compliance ATIS-developed American National Standard or other ATIS deliverable and in Section C, on reasonable terms and conditions that are demonstrably free of air discrimination.
or	
free of any	le license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license ose of implementing the American National Standard or other ATIS deliverable;
Mark he	re X if such licensing assurance is subject to applicant reciprocity.
or . Is unwilling	or unable to grant licenses according to the provisions of either 2a or 2b.
. o. is unwining	
	Page 2 of 4

ATIS Forum/Committee:	Wireless Technologies and Systems Committee (WTSC) - Radio Access Networks
ATIS Document Number:	TS 36.300, TS 36.211
Title:	System and Method for Data Scrambling to Reduce Crest Factor in an OFDM Waveform
Other tracking identifiers*, if appropriate:	8,498,196
Committee and Issue n	able information is not available, please provide available tracking identifiers (e.g., number, working text number, contribution number).
D. LICENSING ASSURA	NCE
n accordance with Section 1 eclares the following (check	0.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby k box 1, 2a, 2b or 2c and either box 3a or 3b):
the use of which w	ing this Statement does not hold or does not currently intend holding any invention rould be required for compliance with the ATIS-developed American National ATIS deliverable identified in Section C.
required for compl deliverable identifi more particularly i	ing this Statement may hold a patent covering an invention the use of which may be iance with the ATIS-developed American National Standard or other ATIS ied in Section C, and with respect to claim(s) of such patent(s), as may be specified in Section E, that are required for compliance with that ATIS-developed American or other ATIS deliverable (check only one box):
free of any	able license will be made available under reasonable terms and conditions that are demonstrable unfair discrimination, without compensation, to applicants desiring to utilize the the purpose of implementing the American National Standard or other ATIS;
compe claim(s with th identifi	here if the Party submitting this Statement reserves the right to obtain insation from applicants who are only willing to license, for compensation, their is) of patents covering an invention, the use of which is required for compliance as ATIS-developed American National Standard or other ATIS deliverable ited in Section C, on reasonable terms and conditions that are demonstrably free of fair discrimination.
or	
free of any	ble license will be made available under reasonable terms and conditions that are demonstrably unfair discrimination, with compensation, to applicants desiring to utilize the license cose of implementing the American National Standard or other ATIS deliverable;
Mark h	ere Kif such licensing assurance is subject to applicant reciprocity.
or	
c. Is unwilling	g or unable to grant licenses according to the provisions of either 2a or 2b.
	Page 2 of 4

3.		If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (check a <u>or</u> b below):
	a.	The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
	 b.	The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS deliverable identified in Section C.

E. IDENTIFICATION OF PATENTS

(Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title	Relevance*
See attached sheet				
See attached sheet				
See attached sheet				
See attached sheet				
See attached sheet				

* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

Pri	nt	For	m

F. SIGNATURE

Name of Authorized Person (type or print legibly):	Joseph M. Sommer		
Signature of Authorized Person:	Momen		
Title:	Mastarop Vice President - Patent Licensing		
Date:	10 ctober 10, 2014		

For more information regarding ATIS' patent policy, please see Section 10.4 of the ATIS Operating Procedures (Version 5.1), which is available online at www.atis.org/op.pdf.

Please return via mail, email (scanned with signature), or fax to:

General Counsel ATIS

1200 G Street, N.W., Suite 500

Washington, D.C. 20005 USA

Fax: +1 (888) 874-0973 Email: patents@atis.org