



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Rudolf et al.

**Application No.:** 10/902,740

**Confirmation No.:** 1538

**Filed:** July 29, 2004

**For:** METHOD AND SYSTEM FOR  
PROVIDING CHANNEL ASSIGNMENT  
INFORMATION USED TO SUPPORT  
UPLINK AND DOWNLINK CHANNELS

**Group:** 2686

**Examiner:** Suhail Khan

**Our File:** I-2-0541.1US

**Date:** February 24, 2006

**REPLY PURSUANT TO 37 C.F.R. §1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Reply is being timely filed in response to the Office Action dated August 25, 2005 and is submitted in conjunction with an appropriate petition for extension of time. Please amend the application without prejudice or disclaimer as follows:

02/28/2006 HTECKLU1 00000018 090435 10902740

01 FC:1202 100.00 DA  
02 FC:1201 200.00 DA

**InterDigital Tech. Corp.  
Exhibit 2002  
ZTE Corp. v. InterDigital Tech. Corp.**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended): In a wireless communication system including at least one Node-B and at least one wireless transmit/receive unit (WTRU), a method for providing channel assignment information used to support an ~~uplink (UL)~~ enhanced uplink (EU) channel and a ~~downlink (DL)~~ high speed downlink packet access (HSDPA) channel, the channel assignment information being transmitted from the Node-B to the ~~wireless transmit/receive unit (WTRU)~~ via at least one a common control channel, the method comprising:

(a) the WTRU receiving a message from the Node-B via the at least one common control channel, the message including channel assignment information and an indication of whether the ~~message~~ channel assignment information is intended for assigning radio resources to the ~~UL~~ EU channel or the ~~DL~~ HSDPA channel;

(b) the WTRU determining whether the message is intended for the WTRU;

(c) the WTRU detecting the indication ~~determining whether the message is~~ for assigning radio resources to the ~~UL~~ channel or the ~~DL~~ channel; and

(d) the WTRU taking an appropriate action based on the ~~determination of~~  
detected indication at step (c).

2. (currently amended): The method of claim 1 wherein the appropriate action includes the WTRU initializing a data reception procedure via the ~~DL~~ HSDPA channel.

3. (currently amended): The method of claim 1 wherein the appropriate action includes the WTRU initializing a data transmission procedure via the ~~UL~~ EU channel.

4. (currently amended): The method of claim 1 wherein the indication is a utilization of a set of mapping combinations for channelization codes for the ~~UL~~ EU channel or the ~~DL~~ HSDPA channel.

5. (currently amended): The method of claim 1 wherein the indication is a utilization of a WTRU-specific cyclic redundancy check (CRC) for the ~~UL~~ EU channel or the ~~DL~~ HSDPA channel.

6. (currently amended): The method of claim 5 wherein the WTRU-specific CRC for the ~~UL~~ EU channel is an inverted version of a ~~the~~ WTRU-specific CRC for the ~~DL~~ HSDPA channel.

7. (currently amended): The method of claim 5 wherein a ~~the~~ WTRU-specific CRC is generated using an identification (ID) assigned to the WTRU.

8. (currently amended): A wireless communication system for providing channel assignment information used to support an ~~uplink (UL)~~ enhanced uplink (EU) channel and a ~~downlink (DL)~~ high speed downlink packet access (HSDPA) channel for dynamically allocating radio resources for the EU channel and the HSDPA channel, the system comprising:

(a) at least one Node-B; and

(b) at least one wireless transmit/receive unit (WTRU) in communication with the Node-B via at least one ~~a common~~ control channel, the ~~UL~~ EU channel and the ~~DL~~ HSDPA channel, wherein:

(i) the WTRU receives a message from the Node-B via the at least one ~~common~~ control channel, the message including channel assignment information and an indication of whether the ~~message~~ channel assignment information is

intended for assigning radio resources to the ~~UL~~ EU channel or the ~~DL~~ HSDPA channel;

(ii) the WTRU determines whether the message is intended for the WTRU;

(iii) the WTRU detects the indication ~~determines whether the message is for assigning radio resources to the UL channel or the DL channel;~~ and

(iv) the WTRU takes an appropriate action based on the detected indication ~~whether the message is for assigning radio resources to the UL channel or the DL channel.~~

9. (currently amended): The system of claim 8 wherein the appropriate action includes the WTRU initializing a data reception procedure via the ~~DL~~ HSDPA channel.

10. (currently amended): The system of claim 8 wherein the appropriate action includes the WTRU initializing a data transmission procedure via the ~~UL~~ EU channel.

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