whether the message is for assigning radio resources to the UL channel or the DL channel. The WTRU takes an appropriate action based on whether the message is for assigning radio resources to the UL channel or the DL channel.

[0013] In another embodiment, the present invention is a method and time-slotted wireless communication system. The system includes at least one Node-B, a radio network controller (RNC) which controls the Node-B, and at least one WTRU which communicates with the Node-B via a common control channel, a UL channel and a DL channel. The RNC transmits a message to the WTRU indicating which time slot TTIs support UL channel transmissions and which time slot TTIs support DL channel transmissions.

[0013a] According to an aspect of the invention, there is provided a method for utilizing channel control information associated with enhanced uplink (EU) transmission, implemented by a wireless transmit/receive unit (WTRU), the method comprising: receiving information via radio resource control (RRC) signaling; receiving downlink (DL) control information for at least EU transmission in at least one time slot, wherein the DL control information is at least a first type or a second type, and wherein the DL control information of the first type and the DL control information of the second type are received via a same channel, and wherein the DL control information is masked with a forty bit WTRU specific code sequence; determining whether the DL control information is intended for the WTRU based at least upon the forty bit WTRU specific code sequence received in the at least one time slot and the information received via RRC signaling; determining that the DL control information is the first type or the second type based upon the forty bit WTRU specific code sequence and the information received via RRC signaling; and utilizing the DL control information of the first type or the second type for at least EU transmission on a condition that the DL control information is intended for the WTRU.

[0013b] According to another aspect of the invention, there is provided a wireless transmit/receive unit (WTRU) comprising: circuitry configured to receive information via radio resource control (RRC) signaling; circuitry configured to receive downlink (DL) control information for at least enhanced uplink (EU) transmission in at least one time slot, wherein the DL control information is at least a first type or a second type, and wherein the DL control information of the first type

and the DL control information of the second type are received via a same channel, and wherein the DL control information is masked with a forty bit WTRU specific code sequence; circuitry configured to determine whether the DL control information is intended for the WTRU based at least upon the forty bit WTRU specific code sequence received in the at least one time slot and the information received via RRC signaling; circuitry configured to determine that the DL control information is the first type or the second type based upon the forty bit WTRU specific code sequence and the information received via RRC signaling; and circuitry configured to utilize the DL control information of the first type or the second type for at least EU transmission on a condition that the DL control information is intended for the WTRU.

[0014] BRIEF DESCRIPTION OF THE DRAWINGS

[0015] A more detailed understanding of the invention may be had from the following description of a preferred example, given by way of example and to be understood in conjunction with the accompanying drawing wherein:

[0016] Figure 1 is a block diagram of a wireless communication system operating in accordance with the present invention;

[0017] Figure 2 is a look-up table for channelization code set mapping in an HSDPA, which is utilized in conjunction with the system of Figure 1; and

[0018] Figure 3 is a flowchart of a process including method steps for implementing uplink channel assignment signaling in accordance with the present invention.

[0019] DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0020] The present invention will be described with reference to the drawing figures wherein like numerals represent like elements throughout.

[0021] Hereafter, the terminology "WTRU" includes but is not limited to a user equipment, a mobile station, a fixed or mobile subscriber unit, a pager, or any other type of device capable of operating in a wireless environment. When referred to hereafter, the terminology "Node-B" includes but is not limited to a base station, a site controller, an access point or any other type of interfacing device in a wireless environment.