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(72) Inventors; and

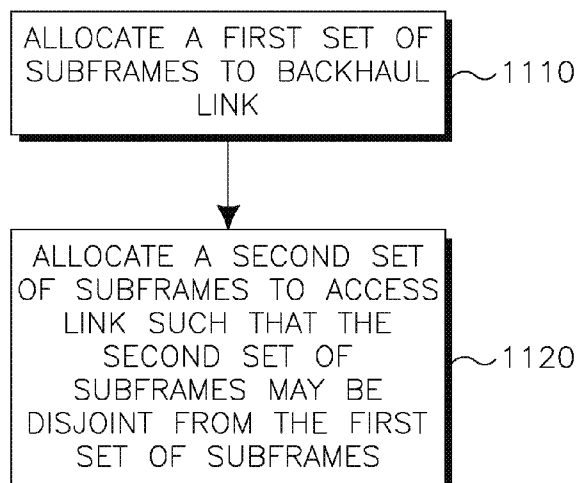
(75) Inventors/Applicants (for US only): **ADJAKPLE, Pascal M.** [CA/US]; 67 Red Brook Road, Great Neck, New York 11024 (US). **TERRY, Stephen, E.** [US/US]; 15 Summit Avenue, Northport, New York 11768 (US). **BELURI, Mihaela C.** [CA/US]; 239 West Neck Road, Huntington, New York 11743 (US). **SHIN, Sung-Hyuk** [US/US]; 104 Eidner Way, Northvale, New Jersey 07647(US). **STERN-BERKOWITZ, Janet A.** [US/US]; 41-20 Glenwood Street, Little Neck, New York 11363 (US). **RUDOLF, Marian** [DE/CA]; 525 Lucien L'Allier, Apt. #204, Montreal, Québec H3C 4L3 (CA). **HAIM, John W.** [US/US]; 1848 Longfellow Street, Baldwin, New York 11510 (US).(74) Agent: **MASKERI, Neil, C.**; Volpe and Koenig, P.C., 30 South 17th Street United Plaza, Suite 1600, Philadelphia, Pennsylvania 19103 (US).

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(54) Title: METHOD AND APPARATUS FOR SYNCHRONOUS HARQ OPERATION AND INTERFERENCE AVOIDANCE

**FIG. 11**

(57) Abstract: A method and apparatus for avoiding a collision. A collision may be avoided by allocating a first set of subframes to a backhaul link transmission, and allocating a second set of subframes to an access link transmission. In one example, the second set of subframes may be a non-overlapping set of subframes with respect to the first set of subframes. In a second embodiment, a collision may be avoided by receiving a data transmission from an evolved Node-B (eNB) and transmitting an uplink (UL) grant to a wireless transmit/receive unit (WTRU) and a first acknowledgement (ACK) to the eNB. The transmission may be in response to the received data transmission. The RN may avoid a collision by further transmitting an automatic ACK to the WTRU and transmitting a second UL grant to the WTRU. In a third embodiment, a collision between an access link transmission and a backhaul link transmission may be avoided by detecting a collision and determining an interface priority based on a collision occurrence type.



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