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- (71) **Applicant (for all designated States except US):** **QUALCOMM INCORPORATED** [US/US]; ATTN: International IP Administration, 5775 Morehouse Drive, San Diego, CA 92121-1714 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **DAMNJANOVIC, Jelena, M.** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **CHEN, Wanshi** [CN/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **MONTOJO, Juan** [US/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US). **WEI, Yongbin** [CN/US]; 5775 Morehouse Drive, San Diego, CA 92121 (US).
- (74) **Agents:** **READ, Randol W.** et al.; Patterson & Sheridan, L.L.P./Qualcomm, 3040 Post Oak Blvd., Suite 1500, Houston, TX 77056-6582 (US).

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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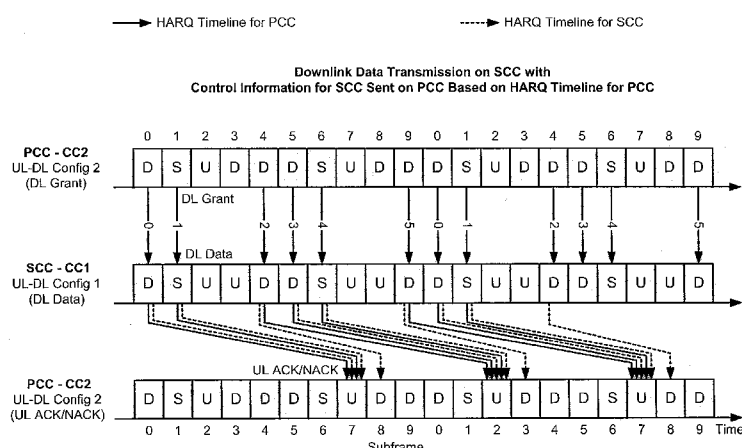
(54) **Title:** TRANSMISSION OF CONTROL INFORMATION IN A WIRELESS NETWORK WITH CARRIER AGGREGATION

FIG. 8A

(57) **Abstract:** Techniques for sending control information to support operation on multiple component carriers (CCs) are disclosed. A user equipment (UE) may be configured with multiple CCs for carrier aggregation. The multiple CCs may be associated with different uplink-downlink configurations and may have different downlink subframes and uplink subframes. In one aspect, uplink control information (UCI) for a secondary CC (SCC) may be sent on a primary CC (PCC) based on a UCI transmission timeline for the PCC (and not based on a UCI transmission timeline for the SCC). For example, a downlink grant for the SCC may be sent based on a downlink grant transmission timeline for the PCC. In another aspect, uplink grants for an SCC may be sent based on an uplink grant transmission timeline for the PCC (and not based on an uplink grant transmission timeline for the SCC).



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