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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, California 92121 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **MALLADI, Durga Prasad** [US/US]; 5775 Morehouse, San Diego, California 92121 (US).

(74) Agent: **BACHAND, Richard A.**; 5775 Morehouse Drive, San Diego, California 92121 (US).

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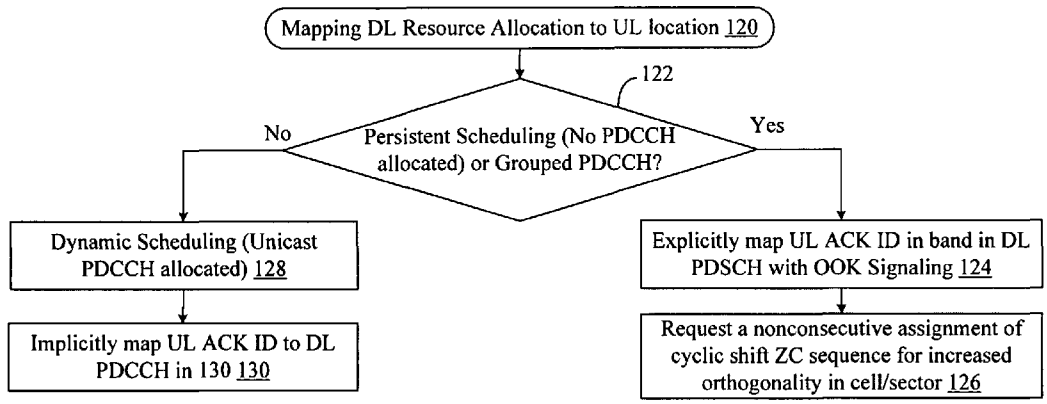

(57) Abstract: An acknowledgment (ACK) mapping automation that reduces overhead for a wireless communication systems such as UTRAN-LTE, Global System for Mobile communications (GSM: originally from Groupe Spécial Mobile), High-Speed Downlink Packet Access (HSDPA), or any packet-switched system, by providing a mapping of uplink (UL) location (i.e., modulation location in time, frequency, and code) based upon a downlink (DL) allocations. Aspects address dynamic and persistent scheduling of user equipment (EU) with a selected combination of implicit and explicit mapping.

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