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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) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ATTAR, Rashid Ahmed Akbar** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **MEYLAN, Arnaud** [CH/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **HO, Sai Yiu Duncan** [CA/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **GRILLI, Francesco** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **TENNY, Nathan Edward** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **BARANY, Peter Anthony** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(74) Agent: **PATEL, Milan I.**; Attn: International Ip Administration, 5775 Morehouse Drive, San Diego, Califonia 92121 (US).

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(54) Title: LAYER 2 TUNNELING OF DATA DURING HANDOVER IN A WIRELESS COMMUNICATION SYSTEM

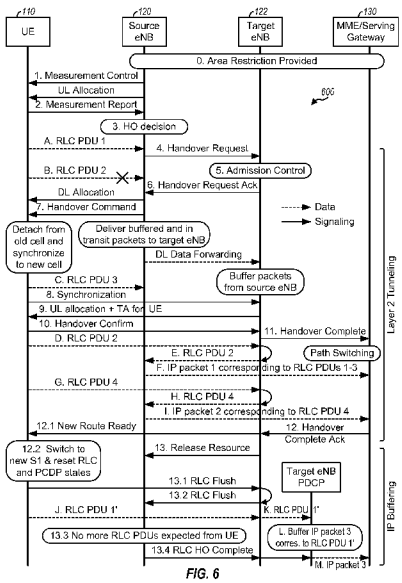


FIG. 6

(57) Abstract: Techniques for sending data during handover with Layer (2) tunneling are described. In one design, a user equipment (UE) sends first Layer (2) packets to a source base station prior to handover to a target base station. The UE sends at least one second Layer (2) packet to the target base station, which identifies the second Layer (2) packet(s) as being intended for the source base station and thus forwards the second Layer (2) packet(s) to the source base station via a Layer (2) tunnel. The UE sends third Layer (2) packets to the target base station after the handover. The target base station processes the third Layer (2) packets to obtain IP packets and sends the IP packets to a serving gateway after a trigger condition, which may be defined to achieve in-order delivery of IP packets from the source and target base stations to the serving gateway.

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