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13/159,212 13 June 2011 (13.06.2011) US(71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121-1714 (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))

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR TRANSITIONING ENHANCED SECURITY CONTEXT FROM A UTRAN/GERAN-BASED SERVING NETWORK TO AN E-UTRAN-BASED SERVING NETWORK

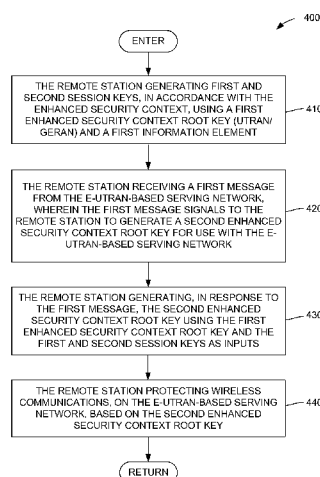


FIG. 4

(57) Abstract: Disclosed is a method for transitioning an enhanced security context from a UTRAN/GERAN-based serving network to an E-UTRAN-based serving network. In the method, the remote station the remote station generates first and second session keys, in accordance with the enhanced security context, using a first enhanced security context root key associated with a UTRAN/GERAN-based serving network and a first information element. The remote station receives a first message from the E-UTRAN-based serving network. The first message signals to the remote station to generate a second enhanced security context root key for use with the E-UTRAN-based serving network. The remote station generates, in response to the first message, the second enhanced security context root key from the first enhanced security context root key using the s first and second session keys as inputs. The remote station protects wireless communications, on the E-UTRAN-based serving network, based on the second enhanced security context root key.



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