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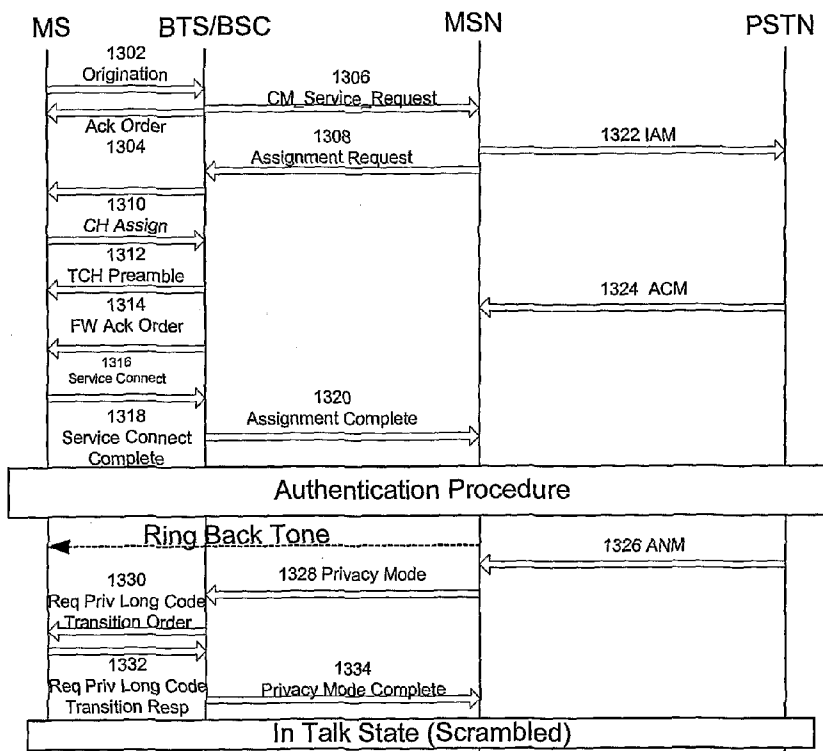
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(54) Title: CIPHERING BETWEEN A CDMA NETWORK AND A GSM NETWORK

MESSAGE FLOW DURING MO CALL



(57) Abstract: Shared secret data is used to authenticate and encrypt between a CDMA network and a GSM network such that a mobile station having a subscription in a GSM network can roam into a CDMA network and be authenticated to use the CDMA network and have messages encrypted without having a CDMA subscription. The goal of authenticating a GSM subscriber in a CDMA network using GSM authentication credentials is achieved by substituting a key Kc as SSD-A and messages are encrypted substituting Kc as SSD-B using a CAVE algorithm.



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ZW, *ARIPO patent* (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), *Eurasian patent* (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), *European patent* (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), *OAPI patent* (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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