

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 May 2002 (30.05.2002)

PCT

(10) International Publication Number
WO 02/43409 A2

(51) International Patent Classification⁷: **H04Q 7/00**

(21) International Application Number: PCT/US01/43366

(22) International Filing Date:
21 November 2001 (21.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/721,332 22 November 2000 (22.11.2000) US

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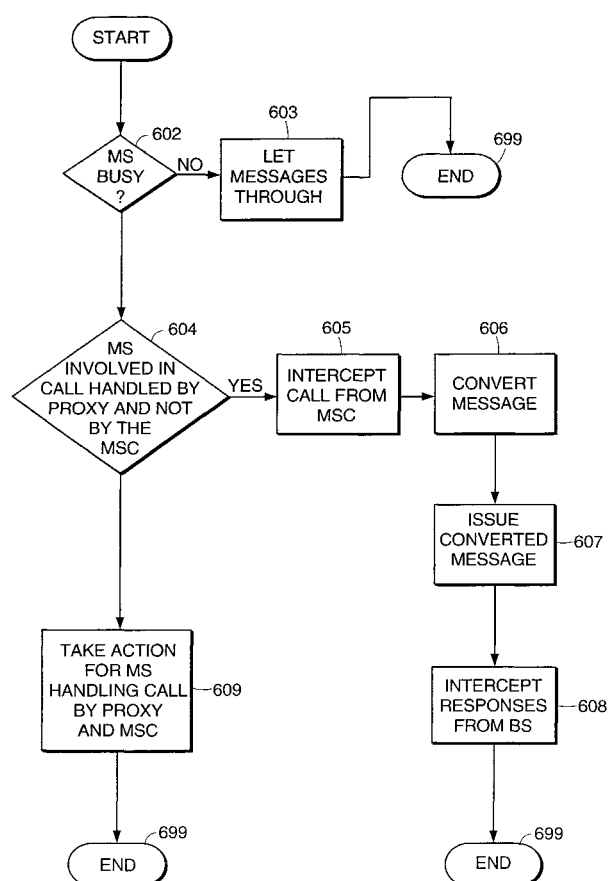
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (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, CH, CY, DE, DK, ES, FI, FR,

[Continued on next page]

(54) Title: SYSTEM AND METHOD OF MANAGING SUPPLEMENTARY FEATURES IN THE PRESENCE OF A PROXY SWITCH IN A MOBILE COMMUNICATIONS NETWORK



(57) Abstract: A proxy switch, communication methods, and communication logic for use in a mobile network are described. A proxy switch is deployed between a base station subsystem and a mobile station center. It receives signaling messages and either retransmits them, blocks them, converts them, or siphons them to an alternative network. Besides providing an ability to offload mobile traffic it provides a platform for new communication services. The proxy switch includes signaling message handling logic that receives signaling messages from the MSC and BS in accordance with a mobile signaling protocol. State logic maintains state information of call sessions and mobile stations (MSs) used within the mobile communications network. Message interception logic detects whether a signaling message from an MSC is a new call originating message and if an MS addressed in such a new call originating message is involved in a call. The message interception logic also prevents the new call originating message from being forwarded to the BS servicing the addressed MS. Message conversion logic converts the new call originating message to a feature notification message, and message transmission logic issues the feature notification message to the BS servicing the addressed MS.



GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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