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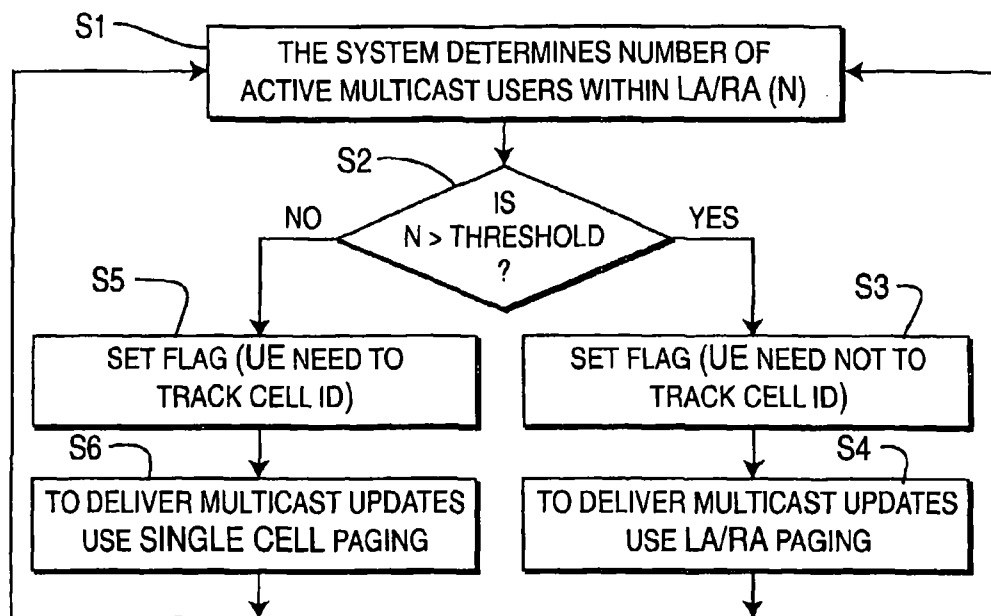
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10/281,754 28 October 2002 (28.10.2002) US(71) Applicant: **INTERDIGITAL TECHNOLOGY CORPORATION** [US/US]; 300 Delaware Avenue, Suite 527, Wilmington, DE 19801 (US).(72) Inventor: **SHAHEEN, Kamel, M.**; 209 Cambridge Road, King of Prussia, PA 19406 (US).(74) Agents: **VOLPE, Anthony, S. et al.**; United Plaza, Suite 1600, 30 South 17th Street, Philadelphia, PA 19103 (US).(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, EC, 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, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, 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, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**Published:**

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(54) Title: **METHOD AND APPARATUS FOR DELIVERING MULTIMEDIA MULTICAST SERVICES OVER WIRELESS COMMUNICATION SYSTEMS**

(57) Abstract: A method is provided for delivery of Multimedia Broadcast and Multicast Service (MBMS) over wireless systems (S6, S4). The method optimizes the number of paging messages sent over the air interface in order to enhance the overall system capacity. MBMS active Mobile Station User Equipments (UEs) track their locations (S2, S3) to the granularity of a cell based on information sent by the system.



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