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(71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RAVEENDRAN, Vijayalakshmi R.** [IN/US]; 4272 Calle Mar De Ballenas, San Diego, California 92130 (US). **WALKER, Gordon Kent** [US/US]; 14484 Huntington Gate Drive, Poway, California 92064 (US).

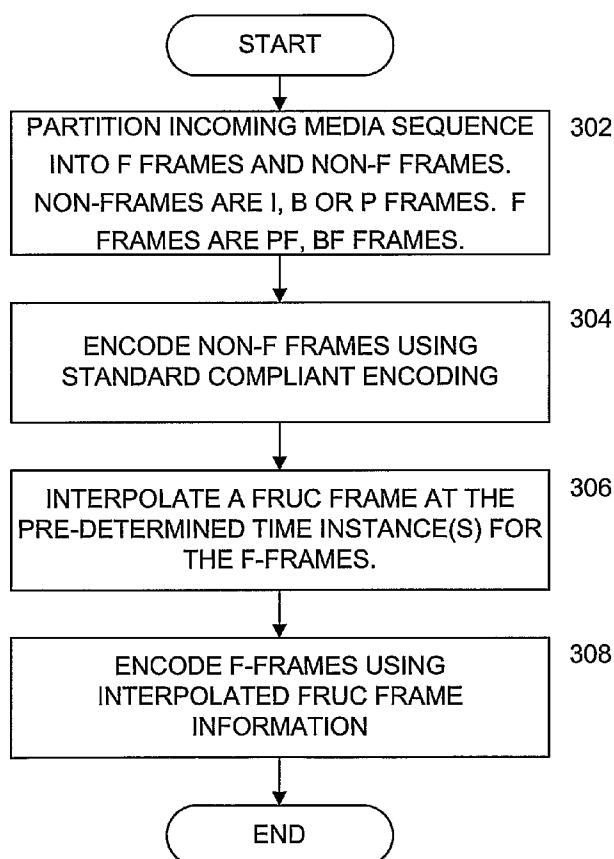
(74) Agents: **WADSWORTH, Philip R.** et al.; 5775 Morehouse Drive, San Diego, California 92121 (US).

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(54) Title: METHOD AND APPARATUS FOR USING FRAME RATE UP CONVERSION TECHNIQUES IN SCALABLE VIDEO CODING



(57) Abstract: A method for encoding a video stream includes partitioning the video stream into a main layer having a plurality of main layer frames, and an interpolated layer having a plurality of interpolated layer frames; interpolating a frame rate up conversion (FRUC) frame; and encoding the plurality of main layer frames in the interpolated layer with the assistance of the main FRUC frame. A video encoder implementing the method is also described.

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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)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, 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,

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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