

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
9 June 2011 (09.06.2011)

(10) International Publication Number  
**WO 2011/068428 A1**

PCT

(51) International Patent Classification:  
**H04N 1/41** (2006.01) **G06T 9/00** (2006.01)

(21) International Application Number:  
PCT/RU2009/000658

(22) International Filing Date:  
1 December 2009 (01.12.2009)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **INTEL CORPORATION** [US/US]; 2200 Mission College blvd., Santa Clara, CA 95054 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TURLIKOV, Andrey Mikhailovich** [RU/RU]; Vosmaya Sovetskaya str. 34, apt. 17, St.Petersburg, 190000 (RU). **SERGEEV, Anton Valerievich** [RU/RU]; Petergofskoe av. 19/33, apt. 162, St.Petersburg, 190000 (RU). **VESELOV, Anton** [RU/RU]; ul. Shevchenko, 32-8, St.Petersburg, 190000 (RU).

(74) Agent: **OBSHESTVO S OGRANICHENNOI OTVETSTVENNOSTJU "SOJUZPATENT"**; ul. Iliinka, 5/2, Moscow, 103735 (RU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: COMPRESSION USING RANGE CODING WITH VIRTUAL SLIDING WINDOW

(57) Abstract: Information to be transmitted may be compressed using range coding for adaptive arithmetic coding with a virtual sliding window. Cost and complexity of coding may be reduced in some cases.



WO 2011/068428 A1