

(51) International Patent Classification:
H04N 19/96 (2014.01)(21) International Application Number:
PCT/CN2019/103754(22) International Filing Date:
30 August 2019 (30.08.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/725,132 30 August 2018 (30.08.2018) US
62/784,537 23 December 2018 (23.12.2018) US
62/786,314 28 December 2018 (28.12.2018) US(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.** [CN/CN]; Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129 (CN).(72) Inventors: **CHERNYAK, Roman**; 1, Altufievskoe SHosse, Moscow, 127106 (RU). **IKONIN, Sergey****Yurievich**; 1, Altufievskoe SHosse, Moscow, 127106 (RU). **CHEN, Jianle**; 2330 Central Expressway, Santa Clara, California 95050 (US).

(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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

(54) Title: AN ENCODER, A DECODER AND CORRESPONDING METHODS USING A PALETTE CODING

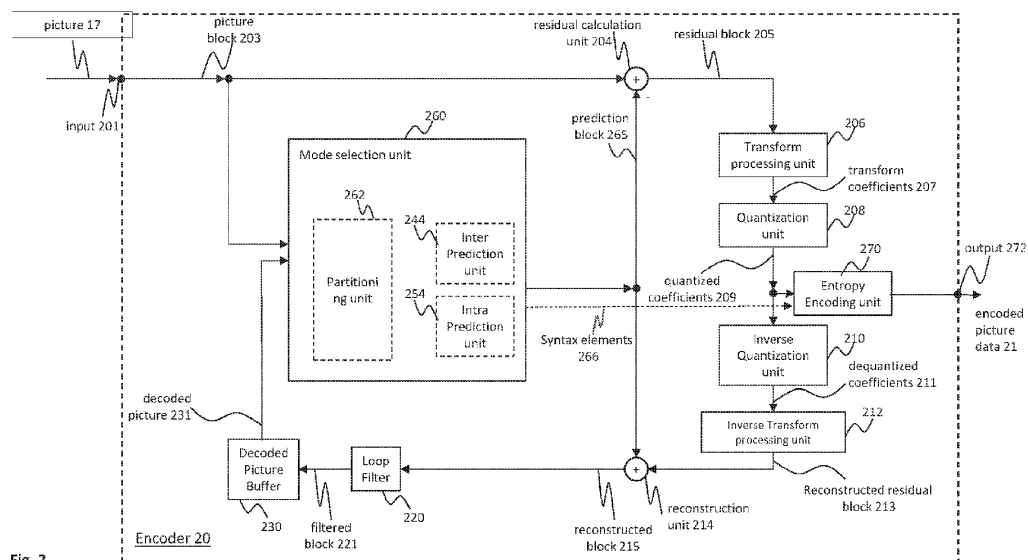


Fig. 2

(57) Abstract: The present disclosure relates to decoding and encoding methods as well as to decoding and encoding apparatuses and to a program. In particular, a partitioning type of a subject coding unit, CU, is determined. The partitioning type is either a single partitioning type, in which a subject coding unit is partitioned into a single CU including one luma coding block, CB, and two chroma CBs, or a separate partitioning type, in which a subject coding unit is partitioned into a separate luma CU including a luma CB only and a chroma CU including two chroma CBs only. Based on the partitioning type of the subject CU, the subject CU and an associated palette coding information are decoded from a bitstream (in case of the decoding method/apparatus) or inserted into the bitstream (in case of the encoding method/apparatus).

[Continued on next page]

MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

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