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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
09 October 2025 (09.10.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/209718 A1

(51) International Patent Classification:
H04N 19/13 (2014.01) *H04N 19/70* (2014.01)
H04N 19/436 (2014.01) *H04N 19/91* (2014.01)

(21) International Application Number:
PCT/EP2025/054318

(22) International Filing Date:
18 February 2025 (18.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/EP2024/059344
05 April 2024 (05.04.2024) EP

(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.** [CN/CN]; Huawei Administration Building Bantian, Longgang District, Shenzhen, Guangdong 518129 (CN).

(72) Inventor; and

(71) Applicant *(for MN only)*: **KARABUTOV, Alexander Alexandrovich** [RU/DE]; Huawei Technologies Duesseldorf GmbH, Riesstr. 25, 80992 Munich (DE).

(72) Inventors: **ALSHINA, Elena Alexandrovna**; Huawei Technologies Duesseldorf GmbH, Riesstr. 25, 80992 Munich (DE). **SOLOVYEV, Timofey Mikhailovich**; Huawei Technologies Duesseldorf GmbH, Riesstr. 25, 80992 Munich (DE).

(74) Agent: **HUAWEI EUROPEAN IPR**; Huawei Technologies Duesseldorf GmbH, Riesstr. 25, 80992 Munich (DE).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,

WO 2025/209718 A1

(54) Title: METHOD AND APPARATUS FOR SUBSTREAM SIGNALLING IN A BITSTREAM

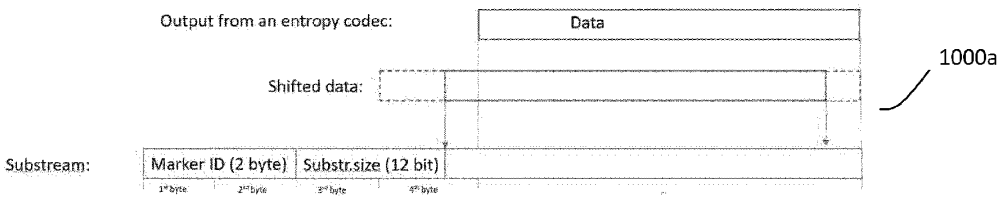


FIG. 10a

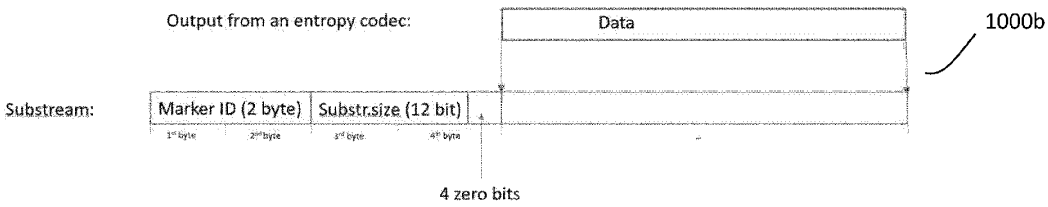


FIG. 10b

(57) Abstract: The present disclosure provides an improved decoding method and improved method of encoding a bitstream to ensure backwards compatibility of bitstreams with legacy decoders. The decoding method, implemented by a decoder, comprises: receiving a bitstream including encoded data of an input signal, wherein the bitstream is formed of one or more substreams each comprising a size parameter defining a size of the substream; parsing at least one substream, the parsing comprising: determining a bit-length of the size parameter in dependence on a subset of bits included within the size parameter; parsing the size parameter to thereby determine a size of the substream.

[Continued on next page]

MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, MC, ME, 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))*

— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*