



(51) International Patent Classification:

H04N 21/2343 (2011.01) *H04N 21/845* (2011.01)
H04N 21/236 (2011.01) *H04L 29/08* (2006.01)

(21) International Application Number:

PCT/US2011/044745

(22) International Filing Date:

20 July 2011 (20.07.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/840,146 20 July 2010 (20.07.2010) US

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(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, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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,

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(54) Title: ARRANGING SUB-TRACK FRAGMENTS FOR STREAMING VIDEO DATA

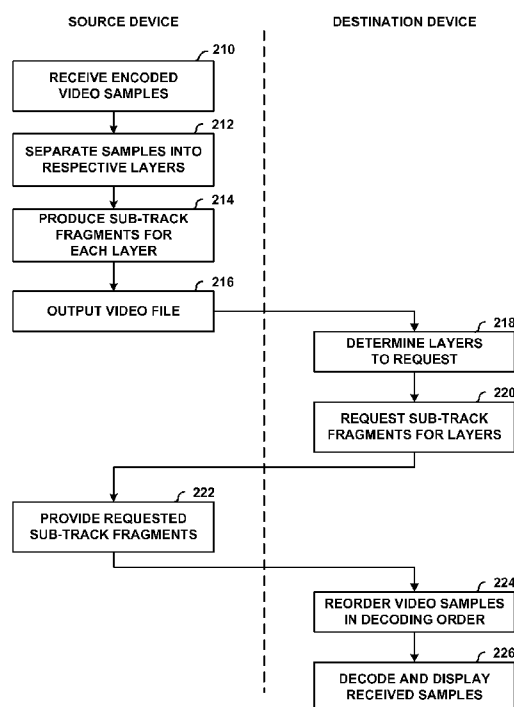


FIG. 7

(57) Abstract: A video file may include movie fragments divided into sub-track fragments that store all pictures of common hierarchical levels for the respective hierarchical levels. In one example, an apparatus includes an interface configured to output data according to a streaming protocol, and a control unit configured to assemble encoded video data into a plurality of sub-track fragments, each of the sub-track fragments comprising a plurality of hierarchically related video pictures of the encoded video data, wherein the plurality of hierarchically related video pictures each correspond to a common hierarchical layer receiving a request in accordance with the streaming protocol, wherein the request specifies at least one of the plurality of sub-track fragments, and, in response to the request, cause the interface to output the plurality of hierarchically related video pictures of the at least one of the plurality of sub-track fragments.



LV, 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, ML, MR, NE, SN, TD, TG).

Published:**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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