

Title (en)
METHOD AND APPARATUS OF HARMONIZING WEIGHTED PREDICTION AND BI-PREDICTION WITH CODING-UNIT-LEVEL WEIGHT

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HARMONISIERUNG EINER GEWICHTETEN PRÄDIKTION UND BI-PRÄDIKTION MIT GEWICHTUNG AUF CODIEREINHEITSEBENE

Title (fr)
PROCÉDÉ ET APPAREIL D'HARMONISATION DE PRÉDICTION PONDÉRÉE ET DE BI-PRÉDICTION À POIDS DE NIVEAU D'UNITÉ DE CODAGE

Publication
EP 4029247 A4 20221207 (EN)

Application
EP 20822437 A 20201007

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• US 201962912044 P 20191007
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• RU 2020050274 W 20201007

Abstract (en)
[origin: WO2020251423A2] Herein, a method for a weighting inter prediction of a to be predicted block is described, the method comprising: obtaining values of bi-prediction with coding unit (CU) level (BCW) weights for the to be predicted block by a fetching operation using an index value specified for the to be predicted block; obtaining values of normalized weights based on the BCW weights; obtaining a value of a linear combined offset (Obi) based on the BCW weights; obtaining a value of a predicted sample (p) of the to be predicted block using a weighted prediction process performed for two reference samples belonging to two reference blocks; and updating the value of the predicted sample using the linear combined offset. Furthermore, a decoder for decoding an encoded video sequence using the method is described.

IPC 8 full level
H04N 19/577 (2014.01); **H04N 19/70** (2014.01)

CPC (source: EP)
H04N 19/174 (2014.11); **H04N 19/176** (2014.11); **H04N 19/577** (2014.11); **H04N 19/70** (2014.11)

Citation (search report)
• [E] EP 3855748 A1 20210728 - SHARP KK [JP]
• [XP] EP 3672253 A1 20200624 - INTERDIGITAL VC HOLDINGS INC [US]
• [XI] C-C CHEN (INTERDIGITAL) ET AL: "Generalized bi-prediction for inter coding", no. JVET-C0047, 28 May 2016 (2016-05-28), XP030247211, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/3_Geneva/wg11/JVET-C0047-v2.zip JVET-C0047_r1.docx> [retrieved on 20160528]
• [A] BENJAMIN BROSS ET AL: "Versatile Video Coding (Draft 5)", no. JVET-N1001-v8; JVET-N1001, 11 June 2019 (2019-06-11), pages 1 - 397, XP030205561, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/14_Geneva/wg11/JVET-N1001-v8.zip JVET-N1001-v8.docx> [retrieved on 20190611]
• See references of WO 2020251423A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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