

Title (en)

METHOD AND APPARATUS FOR INTRA PREDICTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR INTRAPRÄDIKTION

Title (fr)

PROCÉDÉ ET APPAREIL DE PRÉDICTION INTRA

Publication

**EP 4022904 A4 20230531 (EN)**

Application

**EP 20864489 A 20200921**

Priority

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- US 201962906714 P 20190926
- RU 2020050236 W 20200921

Abstract (en)

[origin: WO2021054868A1] A method of coding implemented by a decoding device or an encoding device is provided. The method includes: obtaining a predicted sample value from one or more reference sample values of the block; and obtaining a weighted predicted sample value by multiplying the predicted sample value with a sample weighting factor, wherein the sample weighting factor is equal to  $(64 - wL[x] - wT[y])$  when an intra prediction mode of the block is horizontal or vertical intra prediction mode,  $wL[x]$  is a horizontal weighting factor,  $x = 0..nTbW - 1$ , a variable  $nTbW$  specifying the block width,  $wT[y]$  is a vertical weighting factor,  $y = 0..nTbH - 1$ , a variable  $nTbH$  specifying the block height. The method further includes: adding an additional value to the weighted predicted sample; and right shifting the sum according to a predetermined precision of the sample weighting factor to obtain an updated predicted sample value.

IPC 8 full level

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CPC (source: EP)

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**H04N 19/182** (2014.11); **H04N 19/593** (2014.11); **H04N 19/82** (2014.11); **H04N 19/96** (2014.11)

Citation (search report)

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- See references of WO 2021054868A1

Designated contracting state (EPC)

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