Title (en)
ONEDIMENSIONAL BILATERAL FILTERING OF INTRA PREDICTION REFERENCE PIXELS

Title (de)
EINDIMENSIONALE BILATERALE FILTERUNG VON INTRAPRÄDIKTIONSREFERENZPIXELN

Title (fr)
FILTRAGE BILATÉRAL UNIDIMENSIONNEL DE PIXELS DE RÉFÉRENCE D'INTRAPRÉDICTION

Publication
EP 3695598 A1 20200819 (EN)

Application
EP 18782086 A 20181010

Priority
• EP 17195973 A 20171011
• EP 2018077604 W 20181010

Abstract (en)
[origin: WO2019072918A1] Predictor for intra predicting a predicted block for a currently processed block of a picture from reference samples in a two-dimensional coordinate system which are derived from one or more previously processed blocks of the picture, the predictor comprising: an arranger configured for arranging the reference samples as a one-dimensional reference sample sequence in a one-dimensional coordinate system; a smoothing filter configured for filtering the one-dimensional reference sample sequence based on a bilateral filter function with a one-dimensional window in order to obtain a one-dimensional filtered reference sample sequence comprising filtered reference samples; and a determiner configured for determining for each of a plurality of predicted image samples of the currently processed block a respective prediction value by using the filtered reference sample sequence in order to produce the predicted block.

IPC 8 full level
H04N 19/105 (2014.01); **H04N 19/11** (2014.01); **H04N 19/117** (2014.01); **H04N 19/176** (2014.01); **H04N 19/182** (2014.01); **H04N 19/192** (2014.01); **H04N 19/42** (2014.01); **H04N 19/593** (2014.01); **H04N 19/80** (2014.01); **H04N 19/85** (2014.01)

CPC (source: EP)
H04N 19/105 (2014.11); **H04N 19/11** (2014.11); **H04N 19/117** (2014.11); **H04N 19/176** (2014.11); **H04N 19/182** (2014.11); **H04N 19/192** (2014.11); **H04N 19/42** (2014.11); **H04N 19/593** (2014.11); **H04N 19/80** (2014.11); **H04N 19/85** (2014.11)

Citation (search report)
See references of WO 2019072918A1

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