

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  
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• 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)  
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Citation (search report)  
See references of WO 2019072918A1

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