Title (en)
ADAPTIVE LOOP FILTER WITH FIXED FILTERS

Title (de)
ADAPTIVES SCHLEIFENFILTER MIT FESTEN FILTERN

Title (fr)
FILTRE À BOUCLE ADAPTATIF À FILTRES FIXES

Publication
EP 4268458 A1 20231101 (EN)

Application
EP 21848074 A 20211222

Priority
- US 202063130275 P 20201223
- US 202163148538 P 20210211
- US 202117557706 A 20211221
- US 2021064898 W 20211222

Abstract (en)
[origin: WO2022140567A1] A video decoder can be configured to apply a first stage adaptive loop filter (ALF) to a reconstructed sample by determining a first class index for the reconstructed sample, selecting a filter from a first set of filters based on the first class index, and applying the filter from the first set of filters to the reconstructed sample to determine a first intermediate sample value; apply a second stage ALF to the reconstructed sample by determining a second class index for the reconstructed sample; select a second filter from a second set of filters based on the second class index, applying the second filter to the reconstructed sample to determine a first sample modification value, and determining a second sample modification value based on the first intermediate sample value; and determine a filtered reconstructed sample based on the reconstructed sample and the first and second sample modification values.

IPC 8 full level
H04N 19/117 (2014.01); **H04N 19/136** (2014.01); **H04N 19/82** (2014.01)

CPC (source: EP KR)
H04N 19/117 (2014.11 - EP KR); **H04N 19/132** (2014.11 - KR); **H04N 19/136** (2014.11 - EP KR); **H04N 19/176** (2014.11 - KR); **H04N 19/70** (2014.11 - KR); **H04N 19/82** (2014.11 - EP KR)

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)
WO 2022140567 A1 20220630; EP 4268458 A1 20231101; JP 2024501465 A 20240112; KR 20230123947 A 20230824; TW 202234886 A 20220901

DOCDB simple family (application)
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