

Title (en)

MULTI-PASS DECODER-SIDE MOTION VECTOR REFINEMENT

Title (de)

DECODERSEITIGE BEWEGUNGSVEKTORVERFEINERUNG MIT MEHREREN DURCHGÄNGEN

Title (fr)

AFFINEMENT DE VECTEURS DE MOUVEMENT CÔTÉ DÉCODEUR À PASSAGES MULTIPLES

Publication

**EP 4268468 A1 20231101 (EN)**

Application

**EP 21847599 A 20211221**

Priority

- US 202063129221 P 20201222
- US 202117556142 A 20211220
- US 2021064537 W 20211221

Abstract (en)

[origin: WO2022140338A1] Example devices and techniques for multi-pass decoder-side motion vector refinement (DMVR) are disclosed. An example device includes memory configured to store video data and one or more processors coupled to the memory. The one or more processors are configured to apply a multi-pass DMVR to a motion vector for a block of the video data to determine at least one refined motion vector and decode the block based on the at least one refined motion vector. The multi-pass DMVR includes a block-based first pass, a sub-block-based second pass, and a sub-block-based third pass.

IPC 8 full level

**H04N 19/533** (2014.01); **H04N 19/44** (2014.01); **H04N 19/56** (2014.01); **H04N 19/57** (2014.01); **H04N 19/577** (2014.01)

CPC (source: EP IL KR)

**H04N 19/139** (2014.11 - KR); **H04N 19/176** (2014.11 - KR); **H04N 19/44** (2014.11 - EP IL); **H04N 19/533** (2014.11 - EP IL KR); **H04N 19/56** (2014.11 - EP IL KR); **H04N 19/57** (2014.11 - EP IL KR); **H04N 19/577** (2014.11 - EP IL 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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022140338 A1 20220630**; AU 2021409783 A1 20230518; AU 2021409783 A9 20240208; CA 3198095 A1 20220630; CL 2023001849 A1 20240105; CO 2023007958 A2 20230721; EP 4268468 A1 20231101; IL 301896 A 20230601; JP 2023554236 A 20231227; KR 20230123946 A 20230824; MX 2023007161 A 20230629; TW 202232951 A 20220816

DOCDB simple family (application)

**US 2021064537 W 20211221**; AU 2021409783 A 20211221; CA 3198095 A 20211221; CL 2023001849 A 20230620; CO 2023007958 A 20230620; EP 21847599 A 20211221; IL 30189623 A 20230403; JP 2023530281 A 20211221; KR 20237019946 A 20211221; MX 2023007161 A 20211221; TW 110147993 A 20211221