

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2022 年 8 月 25 日 (25.08.2022)



(10) 国际公布号
WO 2022/174659 A1

(51) 国际专利分类号:
H04N 19/103 (2014.01) **H04N 19/176** (2014.01)

(21) 国际申请号: PCT/CN2021/137001

(22) 国际申请日: 2021 年 12 月 10 日 (10.12.2021)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
202110194843.X 2021 年 2 月 21 日 (21.02.2021) CN

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(54) Title: VIDEO CODING AND DECODING METHOD AND APPARATUS, COMPUTER-READABLE MEDIUM, AND ELECTRONIC DEVICE

(54) 发明名称: 视频编解码方法、装置、计算机可读介质及电子设备

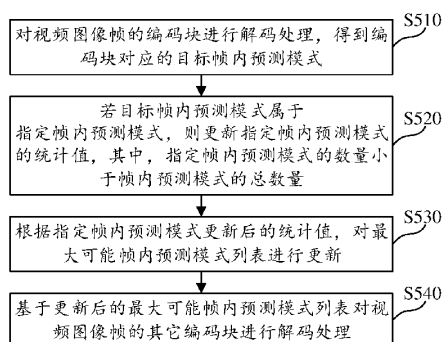


图 5

- S510 Perform decoding processing on a coding block of a video image frame to obtain a target intra-frame prediction mode corresponding to the coding block
- S520 If the target intra-frame prediction mode belongs to designated intra-frame prediction modes, update a statistics value of the designated intra-frame prediction modes, wherein the number of the designated intra-frame prediction modes is less than the total number of intra-frame prediction modes
- S530 According to the updated statistics value of the designated intra-frame prediction modes, update a most probable intra-frame prediction mode list
- S540 Perform decoding processing on other coding blocks of the video image frame on the basis of the updated most probable intra-frame prediction mode list

(57) Abstract: A video coding and decoding method and apparatus, a computer-readable medium, and an electronic device. The video decoding method comprises: performing decoding processing on a coding block of a video image frame to obtain a target intra-frame prediction mode corresponding to the coding block (510); if the target intra-frame prediction mode belongs to designated intra-frame prediction modes, updating a statistics value of the designated intra-frame prediction modes, wherein the number of the designated intra-frame prediction modes is less than the total number of the intra-frame prediction modes (520); according to the updated statistics value of the designated intra-frame prediction modes, updating a most probable intra-frame prediction mode list (530); and performing decoding processing on other coding blocks of the video image frame on the basis of the updated most probable intra-frame prediction mode list (540). The technical solutions of the embodiments of the present application can reduce the cost for implementing hardware, and also improve the coding and decoding performance.

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CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT,
RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布：

— 包括国际检索报告(条约第21条(3))。

(57) 摘要：一种视频编解码方法、装置、计算机可读介质及电子设备。该视频解码方法包括：对视频图像帧的编码块进行解码处理，得到所述编码块对应的目标帧内预测模式(510)；若所述目标帧内预测模式属于指定帧内预测模式，则更新所述指定帧内预测模式的统计值，其中，所述指定帧内预测模式的数量小于帧内预测模式的总数量(520)；根据所述指定帧内预测模式更新后的统计值，对最大可能帧内预测模式列表进行更新(530)；基于更新后的最大可能帧内预测模式列表对视频图像帧的其它编码块进行解码处理(540)。本申请实施例的技术方案可以降低硬件实现成本，同时提升编解码性能。