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— 包括国际检索报告(条约第 21 条(3))。

(54) Title: METHOD AND DEVICE FOR BUILDING MOTION VECTOR LIST FOR USE IN MOTION VECTOR PREDICTION

(54) 发明名称: 用于运动矢量预测的运动矢量列表建立的方法、装置

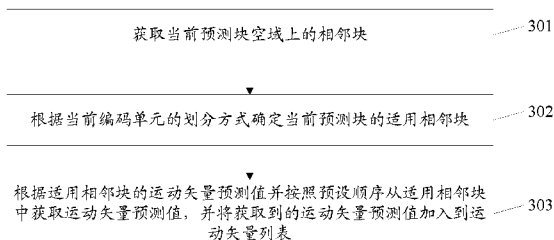


图 3 / FIG. 3

- 301 ACQUISITION OF THE ADJACENT BLOCKS ON THE SPATIAL-DOMAIN OF THE CURRENT PREDICTION BLOCK
- 302 DETERMINATION OF THE APPLICABLE ADJACENT BLOCKS OF THE CURRENT PREDICTION BLOCK ON THE BASIS OF THE DIVISION MODE OF THE CURRENT CODING UNIT
- 303 ACQUISITION OF THE MOTION VECTOR PREDICTORS FROM THE APPLICABLE ADJACENT BLOCKS ON THE BASIS OF THE MOTION VECTOR PREDICTORS OF THE ADJACENT BLOCKS AND ACCORDING TO THE PREDETERMINED ORDER, AND ADDITION OF THE ACQUIRED MOTION VECTOR PREDICTORS INTO THE MOTION VECTOR LIST

(57) Abstract: The present invention relates to the field of video coding. Provided are a method and device for building a motion vector list for use in motion vector prediction, solving the problem that a serial mode is employed to build the motion vector lists of at least two PUs in a same coding unit, thus increasing parallel processing capabilities. Specifically comprised are: acquiring adjacent blocks on a spatial-domain of a current prediction block, where the current prediction block is located in a current coding unit; determining applicable adjacent blocks of the current prediction block on the basis of the division mode of the current coding unit, where the applicable adjacent blocks are located external of the current coding unit; acquiring motion vector predictors from the applicable adjacent blocks on the basis of the motion vector predictors of the adjacent blocks and according to a predetermined order, and adding the acquired motion vector predictors into the motion vector list. This is applicable in building motion vector lists.

(57) 摘要:

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WO 2014/056314 A1

本发明提供一种用于运动矢量预测的运动矢量列表建立的方法、装置。涉及视频编码领域。解决了采用串行方式建立同一编码单元中的至少两个 PU 的运动矢量列表的问题，提高并行处理能力。具体可以包括：获取当前预测块空域上的相邻块，当前预测块位于当前编码单元中；根据当前编码单元的划分方式确定当前预测块的适用相邻块，适用相邻块位于当前编码单元外；根据适用相邻块的运动矢量预测值并按照预设顺序从适用相邻块中获取运动矢量预测值，并将获取到的运动矢量预测值加入到运动矢量列表。可应用于建立运动矢量列表中。