

CLAIMS

1. A method for decoding a video comprising:
 - determining (920) a partitioning tree structure corresponding to a partitioning process5 of a block of an image of the video;
 - decoding (930) said block based at least on said partitioning tree structure;wherein said partitioning tree structure is partially shared between luma and chroma blocks.
2. A method for encoding a video comprising:
 - determining (720) a partitioning tree structure corresponding to a partitioning process10 of a block of an image of the video;
 - coding (730) said block based at least on said partitioning tree structure;wherein said partitioning tree structure is partially shared between luma and chroma blocks.
- 15 3. A video decoding apparatus comprising one or more processors configured to perform:
 - determining a partitioning tree structure corresponding to a partitioning process of a block of an image of the video;
 - decoding said block based at least on said partitioning tree structure;wherein said partitioning tree structure is partially shared between luma and chroma blocks.
- 20 4. A video encoding apparatus comprising one or more processors configured to perform:
 - determining a partitioning tree structure corresponding to a partitioning process a block of an image of the video,
 - coding said block based at least on said partitioning tree structure,25 wherein said partitioning tree structure is partially shared between luma and chroma blocks.
5. The method according to claim 1 or 2, or the apparatus according to claim 3 or 4, wherein a single partitioning tree structure is shared between luma and chroma blocks from a root node of the partitioning tree down to a switching node and a dual partitioning tree structure is determined for luma and chroma blocks from the switching node down to a leaf node of the partitioning tree.
- 30 6. The method according to any of claims 1, 2 or 5, or the apparatus according to any of claims 3, 4 or 5, wherein the partially shared partitioning tree structure is used for coding or decoding a block belonging to a part of the video image coded in Intra.
- 35

7. The method according to any of claims 1, 2 or 5, or the apparatus according to any of claims 3, 4 or 5, wherein the partially shared partitioning tree structure is used for coding or decoding a block belonging to a part of the video image coded in Inter.
- 5 8. The method according to any of claims 1, 2 or 5-7, or the apparatus according to any of claims 3, 4-7, wherein the switching node is implicitly determined.
9. The method according to any of claims 1, 2, 5-8 or the apparatus according to any of claims 3, 4-8, wherein said switching block node is determined based on a partitioning block
10 size.
10. The method according to claim 9 or the apparatus according to claim 9 wherein said partitioning block size is set to 64x64.
- 15 11. The method according to any of claims 1, 2 or 5-8, or the apparatus according to any of claims 3, 4-8 wherein said switching node is determined based on a partitioning depth level.
12. The method according to claim 11, or the apparatus according to claim 11, wherein said partitioning depth level is set to one depth of quad-tree split of the partitioning tree.
20
13. The method according to any of claims 1, 2 or 5-7, or the apparatus according to any of claims 3 or 4-7, wherein the switching node is signaled.
14. A signal comprising data generated according to the coding method of claim 2 and any
25 of claims 5-13, or the apparatus of claim 4 and any of claims 5-13.
15. The signal of claim 14 wherein the data is interleaved based on a partitioning block size.
- 30 16. A computer program comprising software code instructions for performing the method according to any one of claims 1, 2 or 5 to 13, when the computer program is executed by a processor.