

METHOD AND APPARATUS OF MOTION VECTOR DERIVATION FOR 3D VIDEO CODING

ABSTRACT

5 A method and apparatus for deriving MVP (motion vector predictor) for Skip or
Merge mode in 3D video coding are disclosed. In one embodiment, the method
comprises determining an MVP candidate set for a selected block and selecting one MVP
from an MVP list for motion vector coding of the block. The MVP candidate set may
comprise multiple spatial MVP candidates associated with neighboring blocks and one
10 inter-view candidate, and the MVP list is selected from the MVP candidate set. The MVP
list may consist of only one MVP candidate or multiple MVP candidates. If only one
MVP candidate is used, there is no need to incorporate an MVP index associated with the
MVP candidate in the video bitstream corresponding to the three-dimensional video
coding. Also, the MVP candidate can be the first available MVP candidate from the MVP
15 candidate set according to a pre-defined order.

Fig. 4