

ABSTRACT**EFFICIENT USE OF STORAGE IN ENCODING AND DECODING****VIDEO DATA STREAMS**

A method for encoding a group of video pictures is provided. The method determines a first display time difference between a first video picture and a nearby video picture. The method determines a second display time difference between a second video picture and the nearby video picture. The method computes a motion vector for the first video picture by multiplying a motion vector for the second video picture with a ratio that is based on the first display time difference and the second display time difference.

[Figure 3 for publication]