ABSTRACT

Decoding methods and encoding methods based on an adaptive intra refresh mechanism and related devices are provided. In one aspect, a decoding method includes: receiving a bit stream of a current frame; and determining whether the current frame supports an adaptive intra refresh technology. The determining comprises one of: if there is extension data in the bit stream of the current frame and the extension data carries an adaptive intra refresh video extension identifier (ID), obtaining virtual boundary position information carried in the extension data, and determining whether the current frame supports an adaptive intra refresh technology based on the virtual boundary position information; or if there is no adaptive intra refresh video extension ID in the extension data in the bit stream of the current frame, determining that the current frame does not support the adaptive intra refresh technology.

[Fig. 6]