162162

G00002

ABSTRACT

DECODER AND METHOD OF DECODING USING PSEUDO TWO PASS DECODING AND ONE PASS ENCODING

A method of processing video frame data, including the steps of:

(a) receiving a video frame;

(b) partially decoding the video frame;

(c) fully decoding the video frame to produce macroblocks;

(d) determining video data parameters from the partially decoded video frame or both the partially and fully decoded video frame;

(e) encoding the macroblocks based on the determined video data parameters to provide a compressed video frame for subsequent display.