

ABSTRACT

**MEMORY TRANSFER CONTROLLER AND METHOD OF TRANSFER CONTROL
OF VIDEO LINE DATA AND MACROBLOCK DATA**

A method of transferring sets of video line data and macroblock data, comprising the steps
of determining a macroblock period and a video line period longer than the macroblock
5 period, dividing each set of video line data to be transferred within the video line period
into two or more portions according to the difference between the determined macroblock
period and video line period, aligning a burst transfer of each of the portions of the divided
set of video line data and each set of macroblock data to the macroblock period, and
initiating the burst transfer of the sets of video line data and macroblock data at
10 macroblock period intervals.