(54) **DEVICE AND METHOD FOR APPLYING A LOOK-UP TABLE**

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(57) **ABSTRACT**

A device applies a pre-function to an input signal to obtain an intermediate signal, wherein the pre-function has a linear section part of the input range. The device then applies a LUT including LUT entries that define a linear section and that delimit the range of the intermediate signal that corresponds to the part of the input range, resulting in an output signal that can be linearly processed through the pre-function and the LUT. The device can process a signal with positive and negative values, where one of these lies in the part of the input range that results in linear processing.