

SIGNAL PROCESSING DEVICE**ABSTRACT OF THE DISCLOSURE**

A signal processing device capable of eliminating the occurrence of re-quantization errors thereby improving the played-back audio. The signal processing device of the present invention comprises a digital filter for allowing an inputted digital signal to pass through a prescribed frequency band and a digital/analog converter for converting the output of the digital filter into an analog signal and constructed such that the effective output bit length of the digital filter means becomes equal to, or smaller than, the processing bit length of the analog converter whereby the process of making the output bit length of the digital filter means small at the front stage of the digital/analog converter is not necessitated and no re-quantization errors take place.

FIGURE 1