

OUTPUT SIGNAL PROCESSING CIRCUIT FOR EDDY CURRENT SENSOR AND OUTPUT SIGNAL PROCESSING METHOD FOR EDDY CURRENT SENSOR

ABSTRACT

An eddy current sensor assembly includes an eddy current sensor and an output signal processing circuit that processes an output signal from the eddy current sensor. The output signal processing circuit includes a mixer circuit that accepts the output signal and a signal of the predetermined frequency as input, multiplies the two signals received as input, and outputs an output signal obtained by the multiplication, and a low-pass filter that accepts the output signal output by the mixer circuit as input, cuts a high-frequency signal included in the output signal received as input, and outputs at least a direct-current (DC) signal.

Representative drawing: Fig. 4