

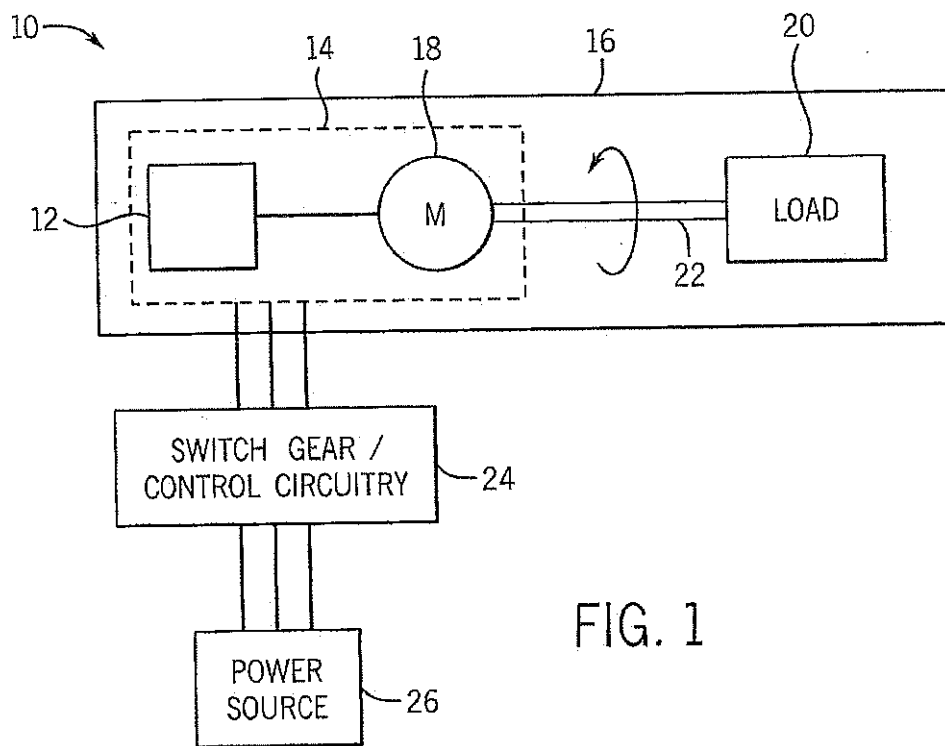


FIG. 1

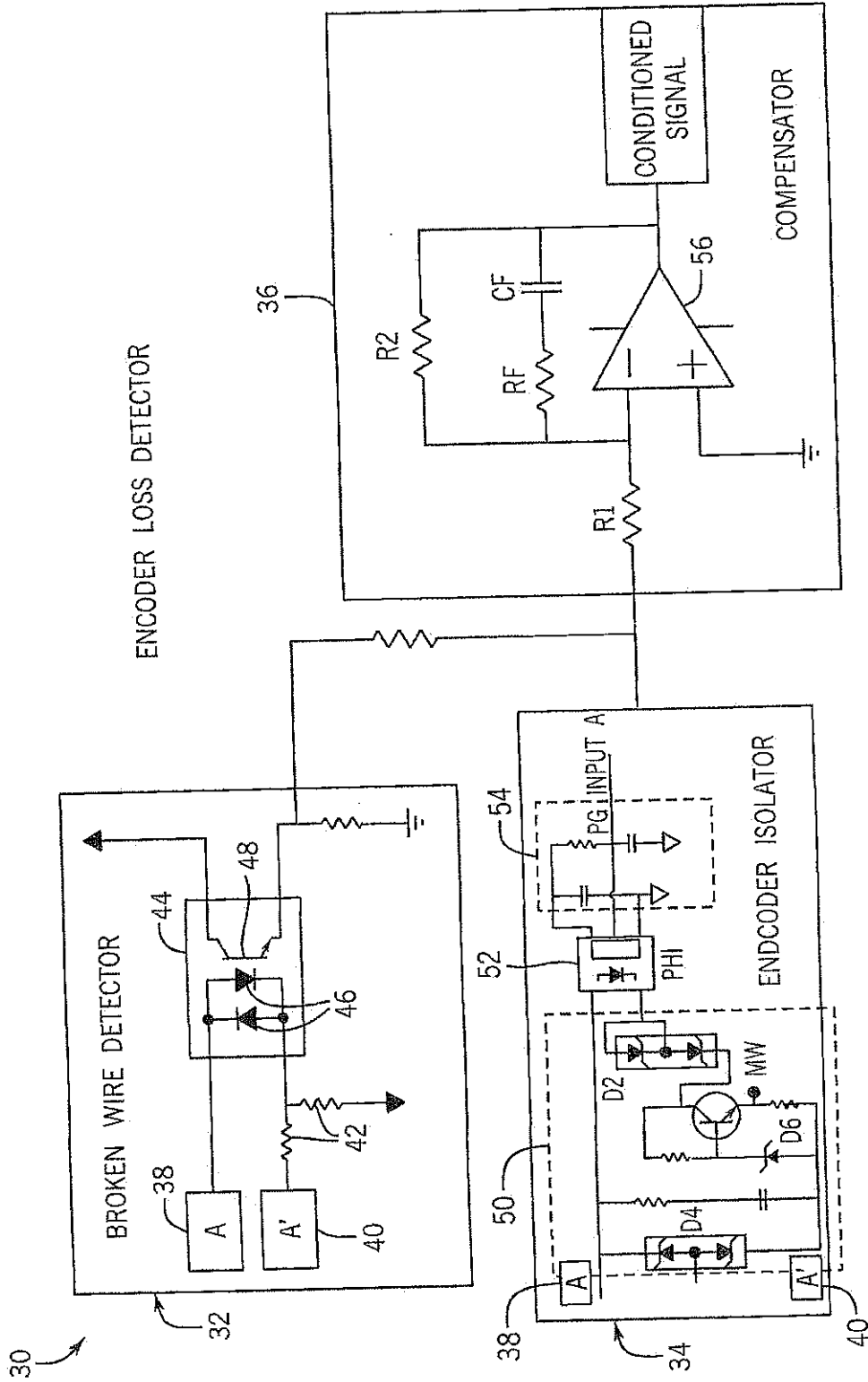
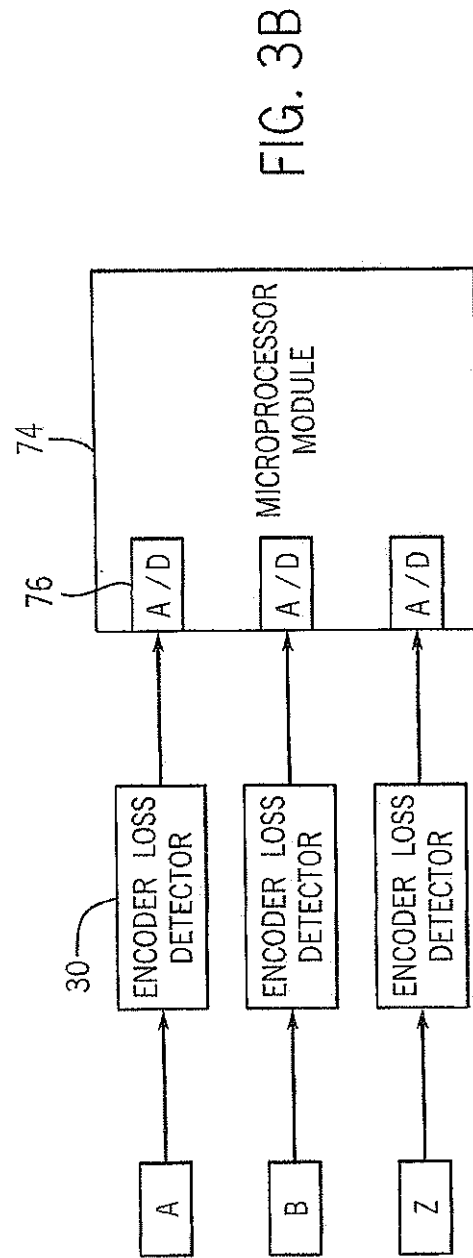
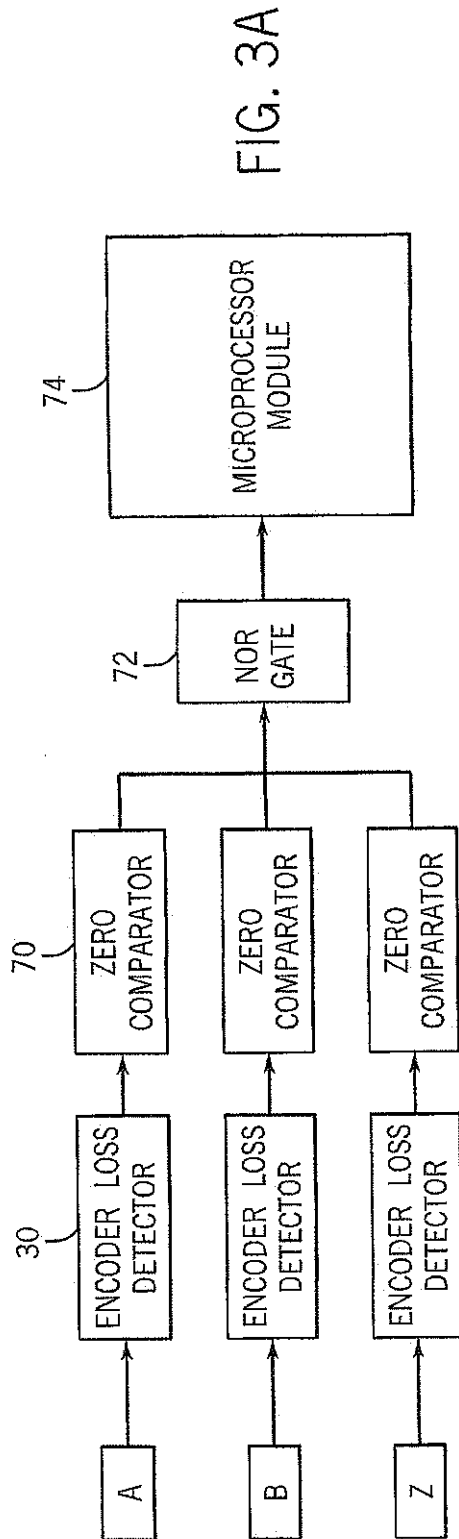


FIG. 2A

	32 BROKEN WIRE DETECTOR OUTPUT	34 ENCODER ISOLATOR	36 COMPENSATOR
58 NORMAL OPERATION	1	PULSE	DC VALUE + ATTENUATED RIPPLE
60 STALLING	1	1 OR 0	FIXED DC VALUE
62 BROKEN WIRE	0	0	0

FIG. 2B



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ENCODER PULSE FROM 10 H_Z TO BROKEN WIRE

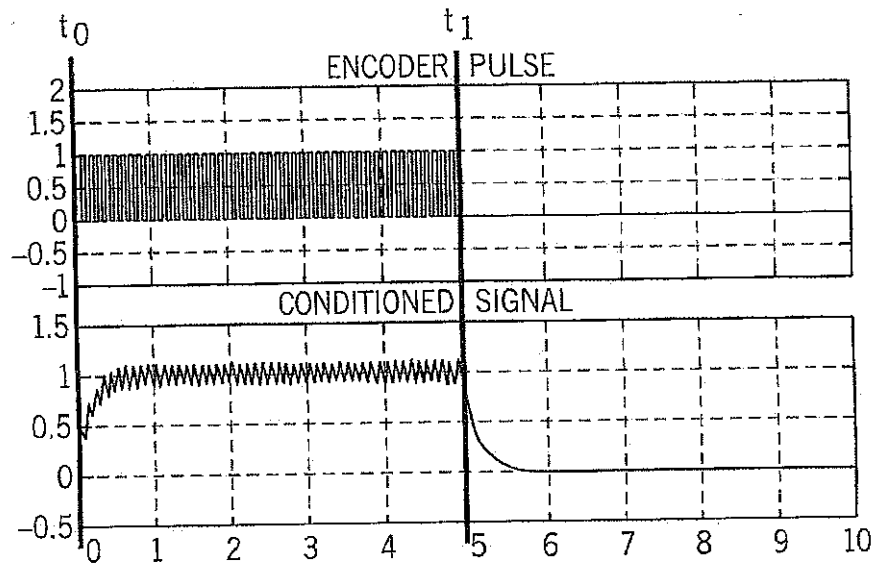


FIG. 4A

ENCODER PULSE FROM 10 H_Z TO 100 H_Z

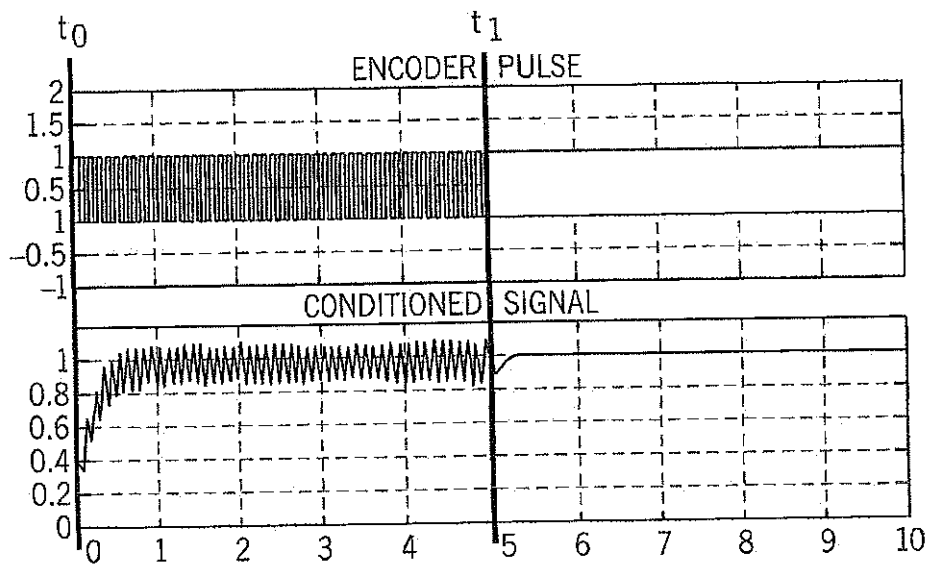


FIG. 4B

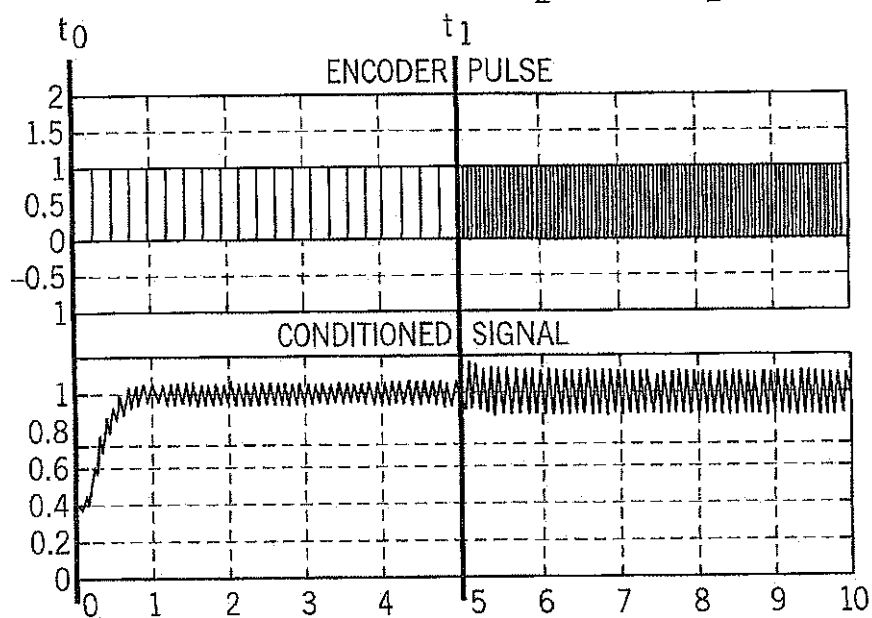
ENCODER PULSE FROM 20 H_Z TO 10 H_Z

FIG. 4C

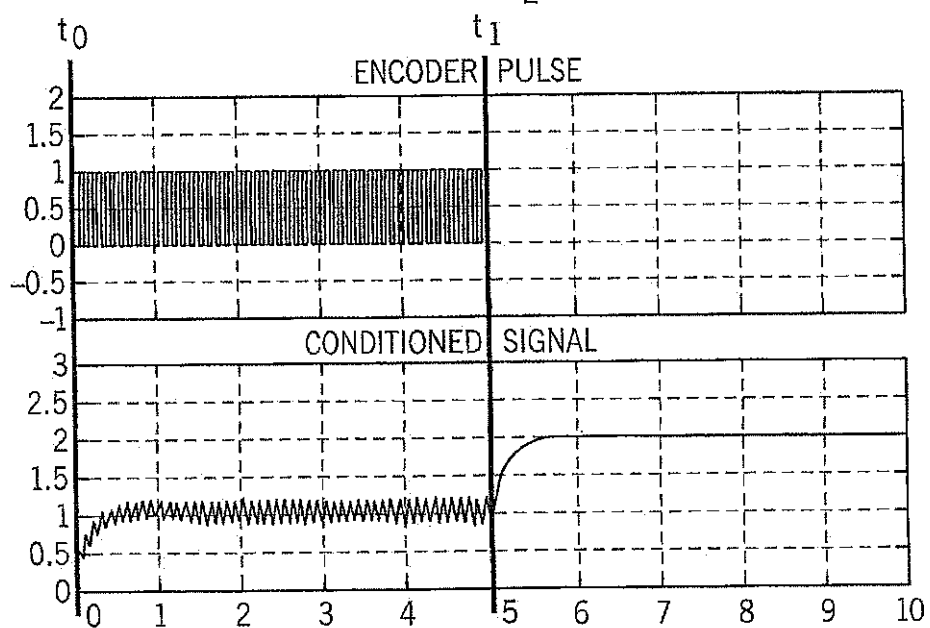
ENCODER PULSE FROM 10 H_Z TO STATIONARY

FIG. 4D

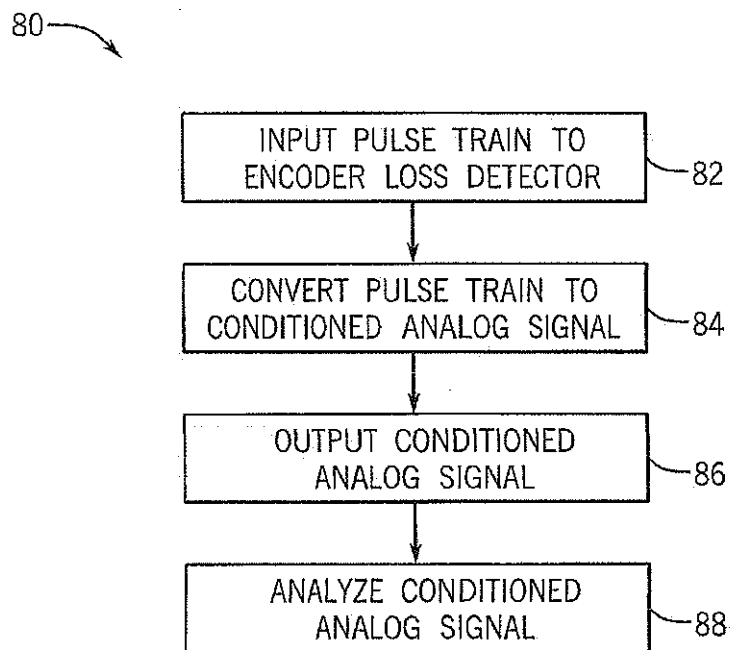


FIG. 5