

FIG. 1

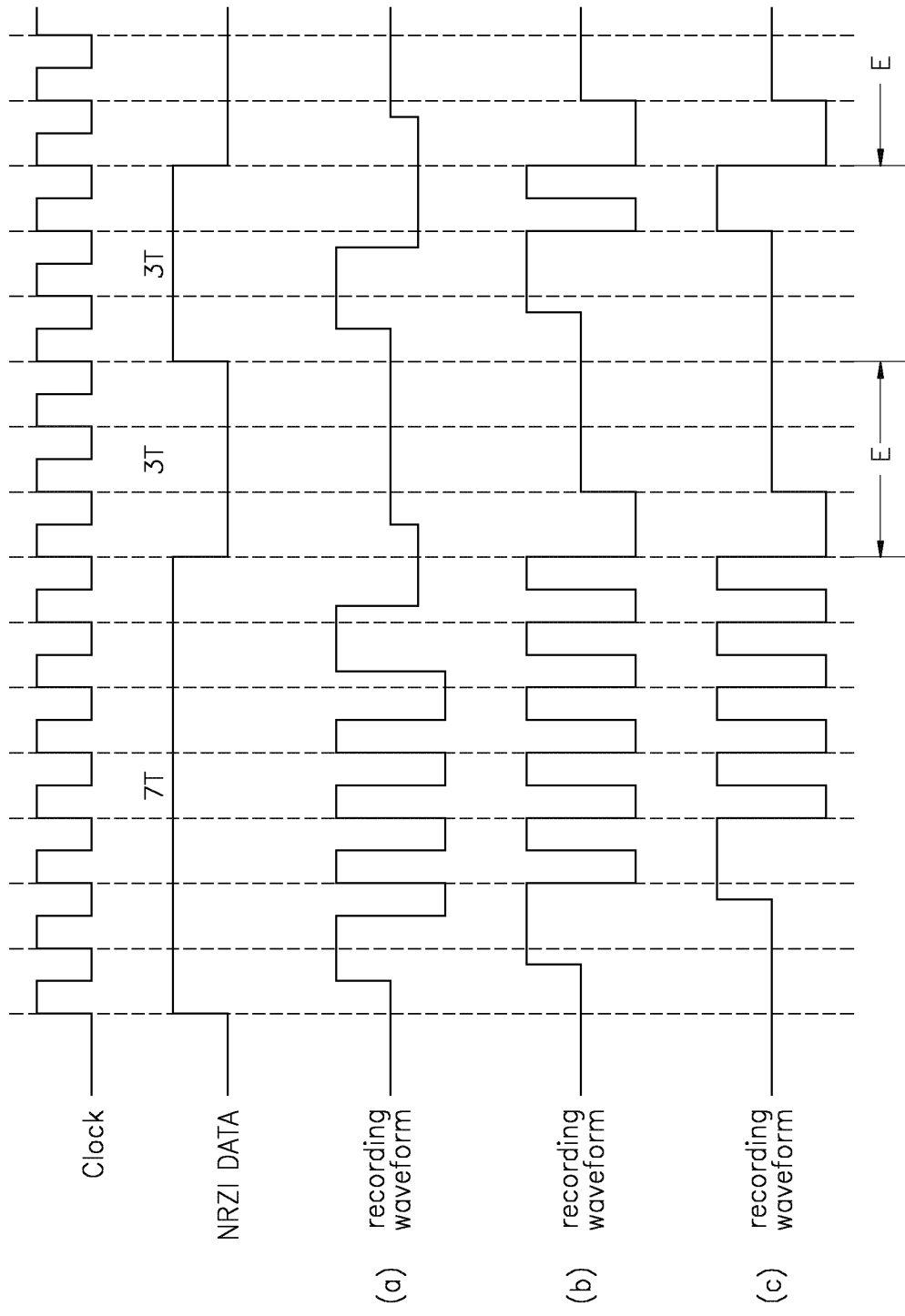


FIG. 2

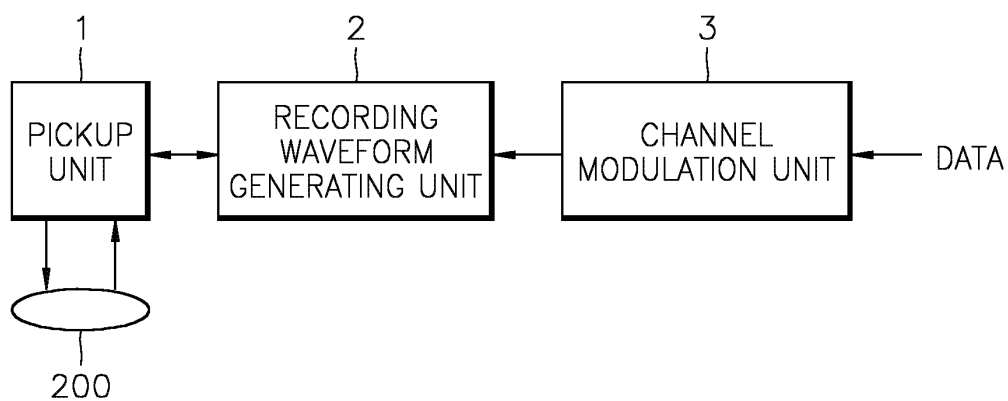


FIG. 3

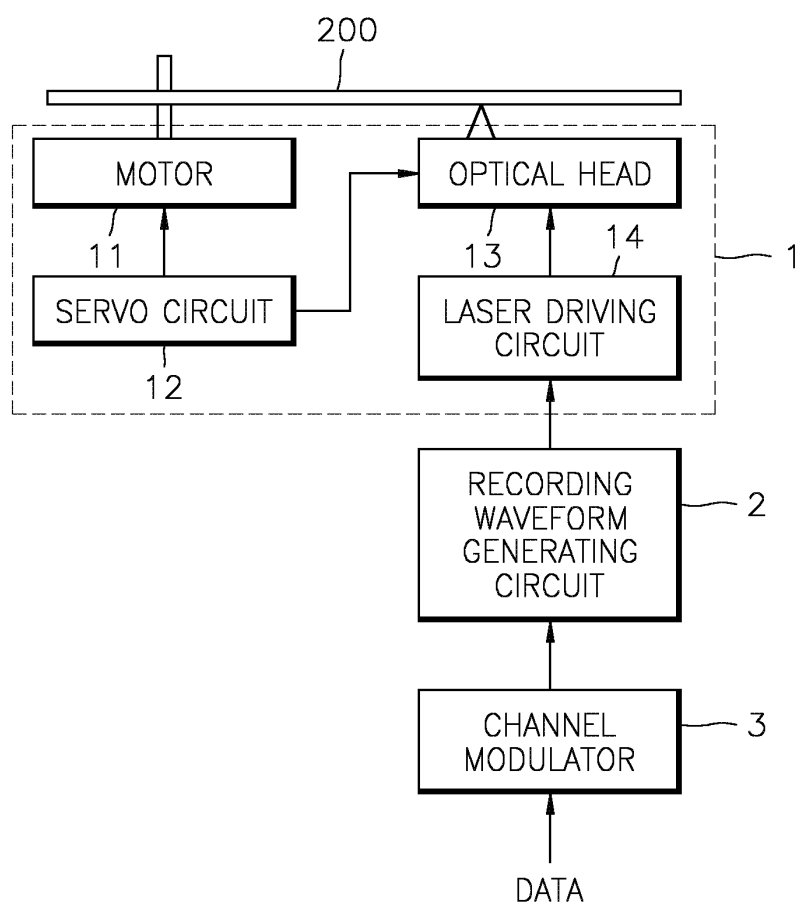
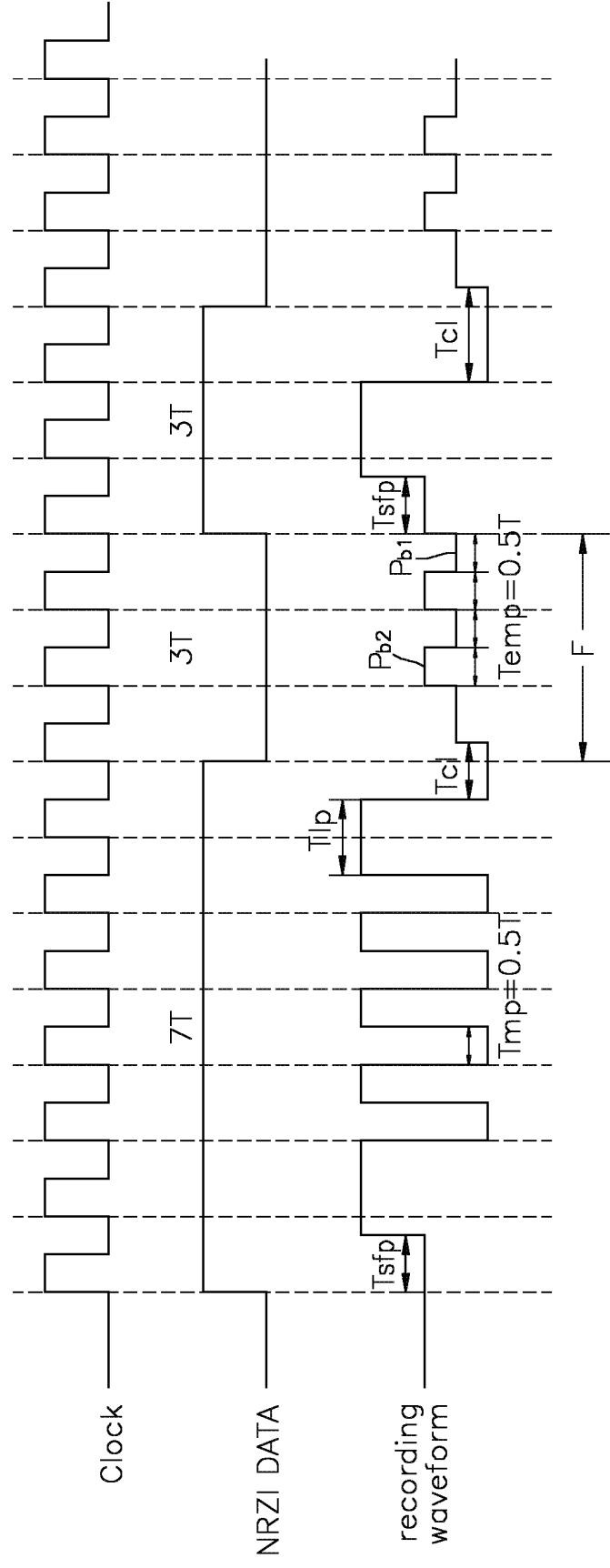


FIG. 4



Timing diagram for NRZI data recording. The diagram shows three waveforms: Clock, NRZI DATA, and recording waveform. The Clock is a periodic square wave. The NRZI DATA is a square wave with high levels lasting $3T$, $5T$, and $7T$. The recording waveform shows the signal transitions and timing parameters: T_{sf} (setup time), T_{lp} (latch period), T_{cl} (clock-to-latch delay), $T_{imp} = 0.5T$ (impulse width), and $T_{mp} = 0.5T$ (impulse period). The total duration of the NRZI DATA high levels is G .

FIG. 6

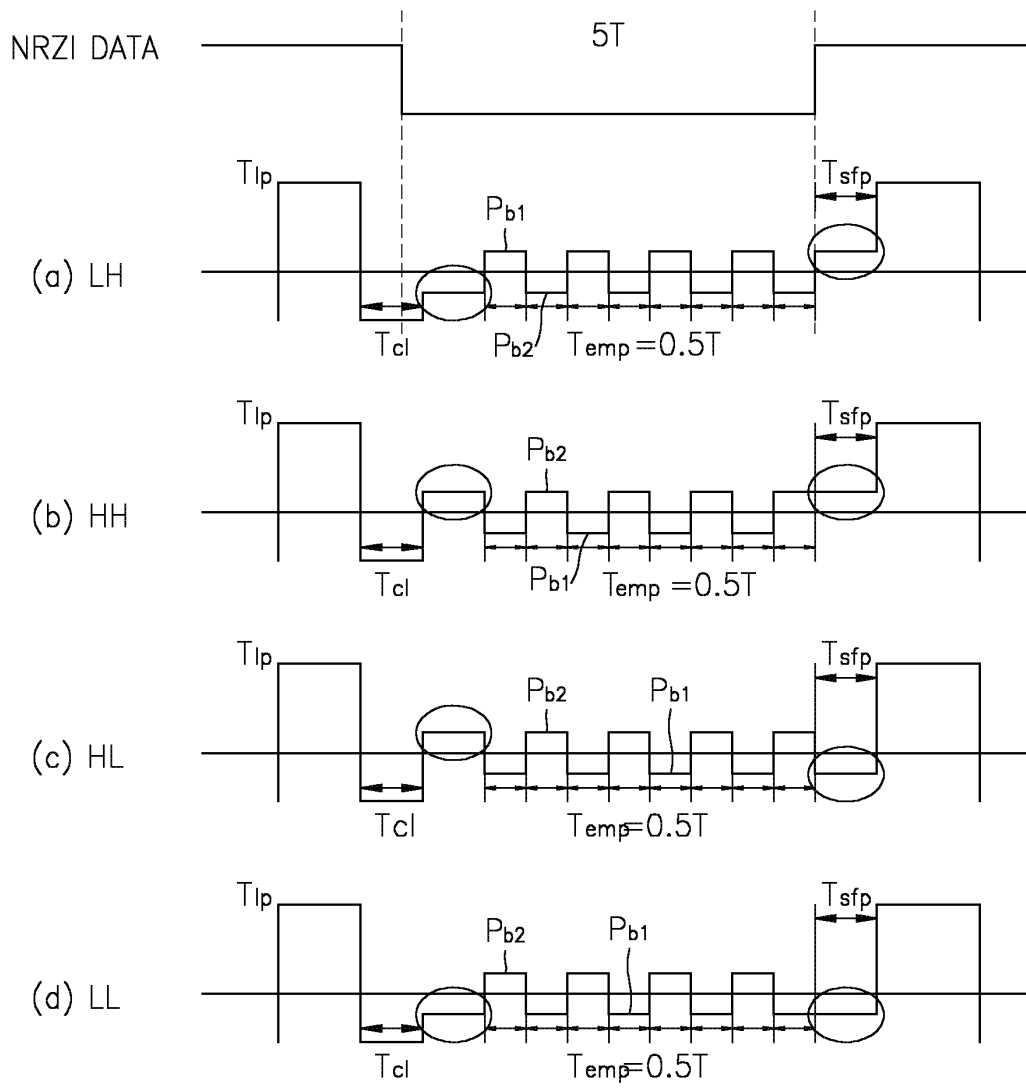


FIG. 7

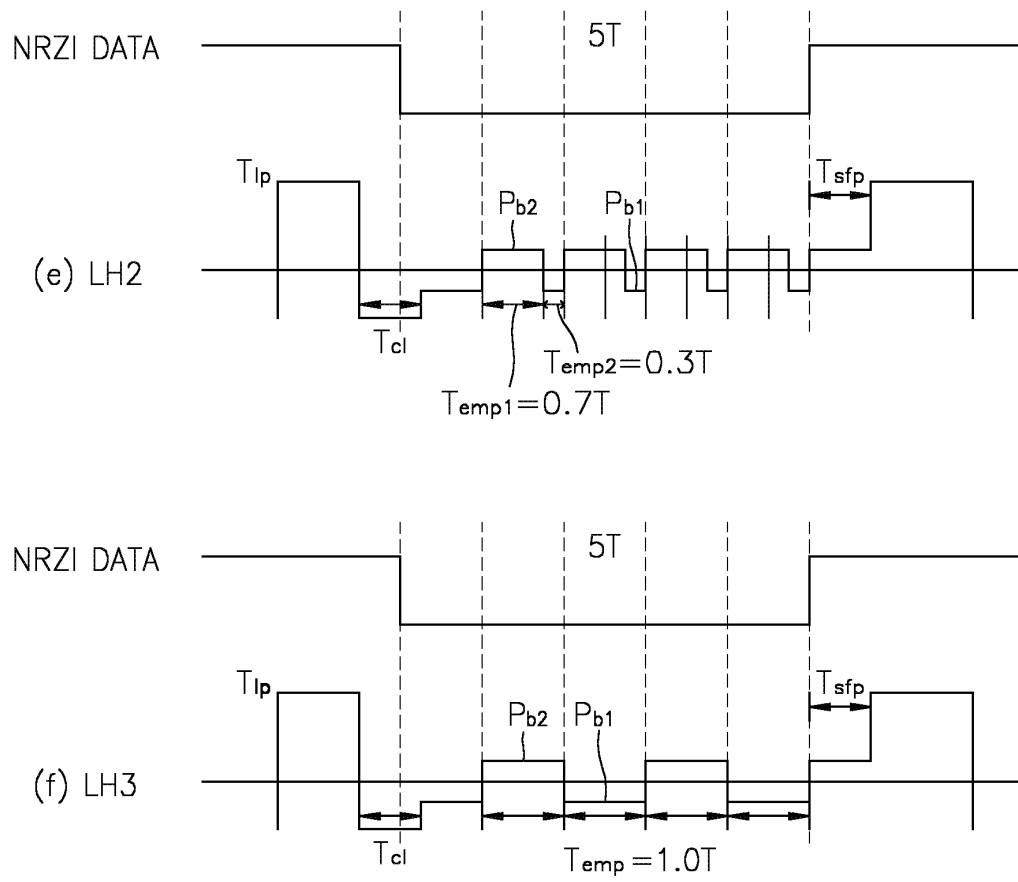


FIG. 8

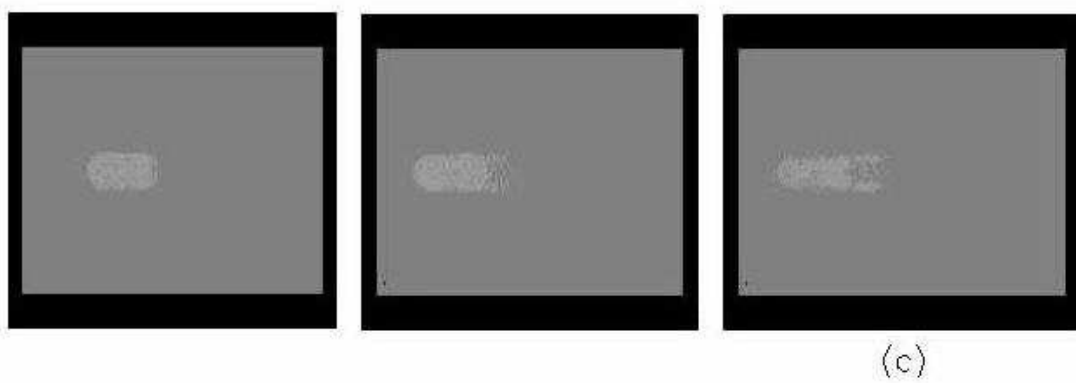


FIG. 9

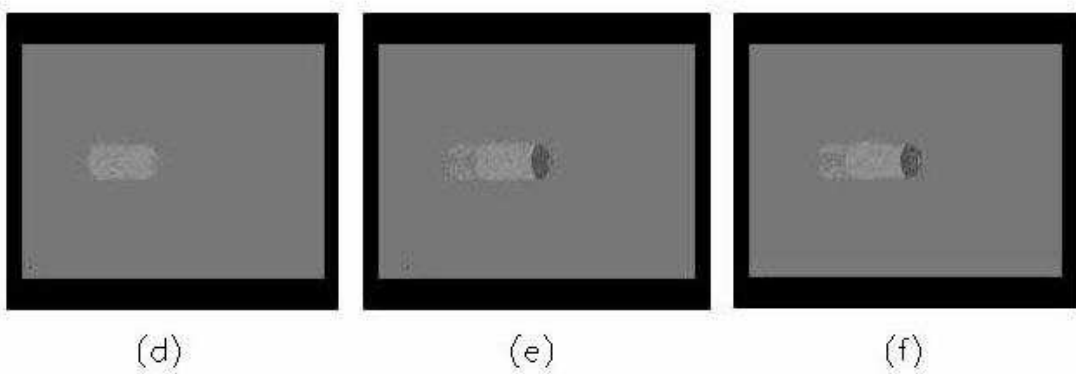


FIG. 10

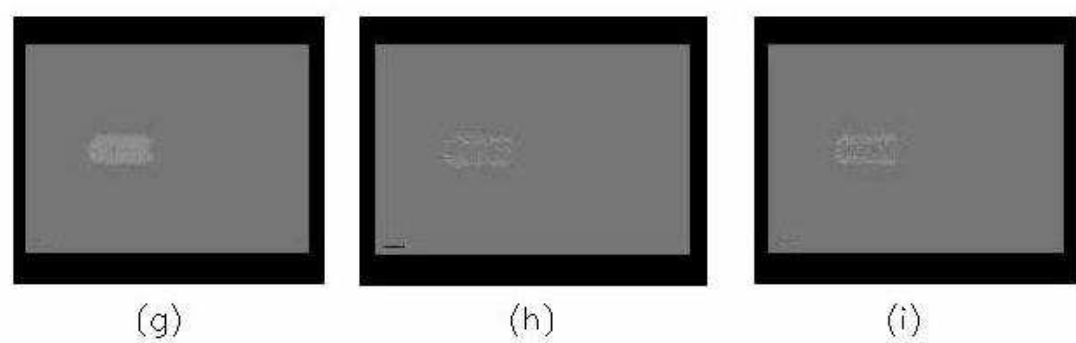


FIG. 11 (PRIOR ART)

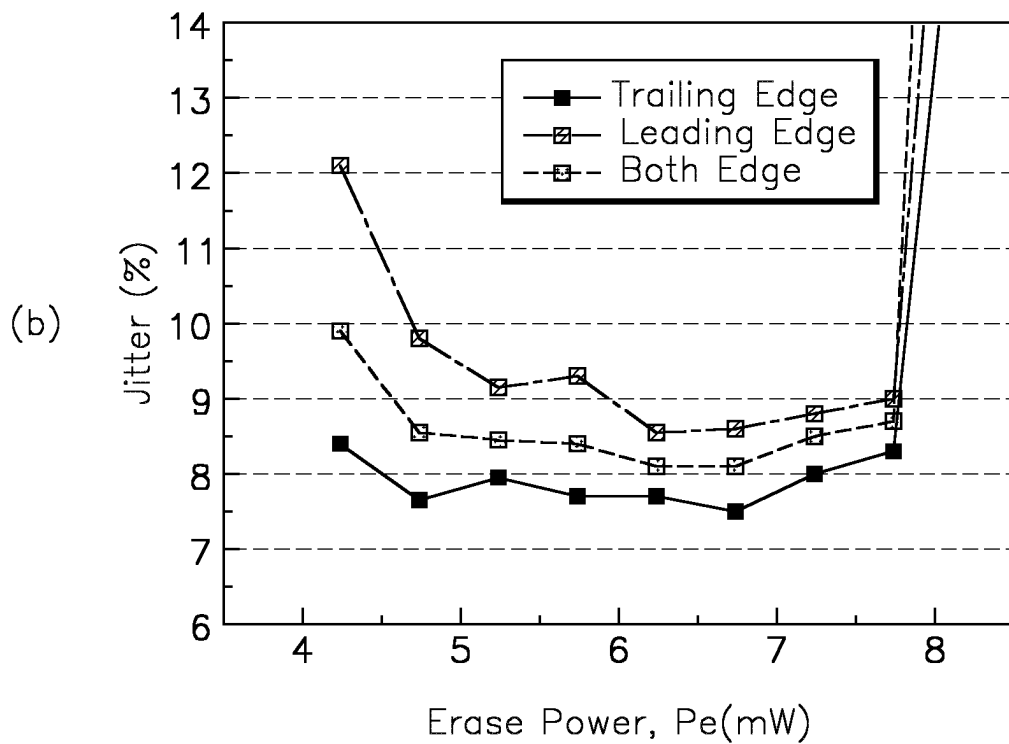
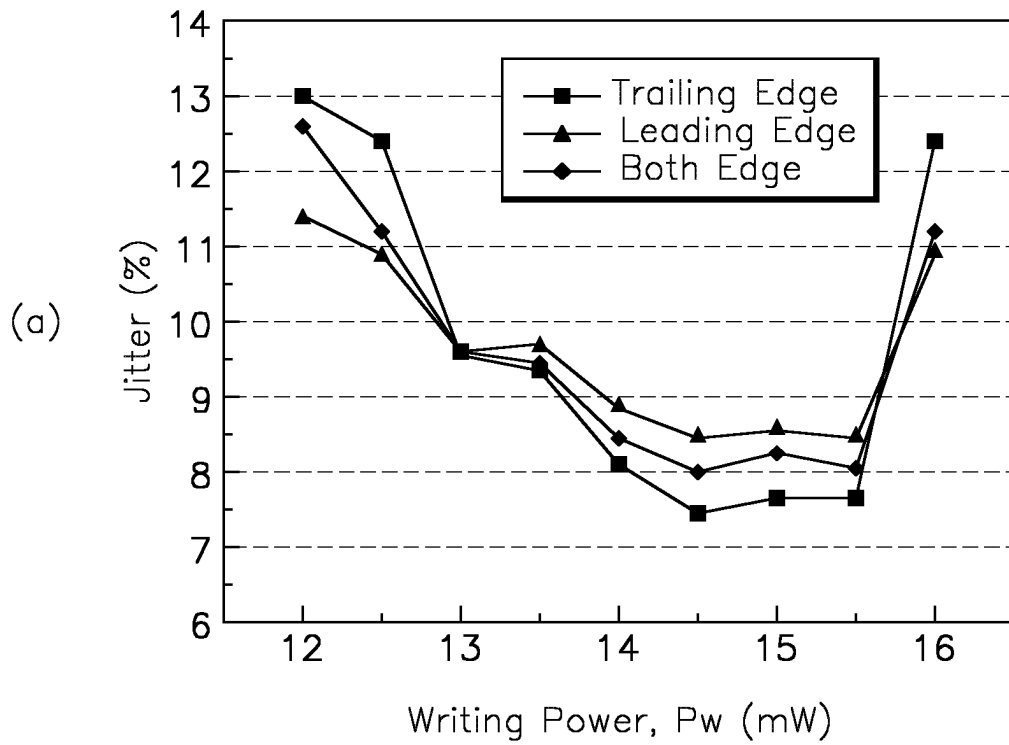


FIG. 12 (PRIOR ART)

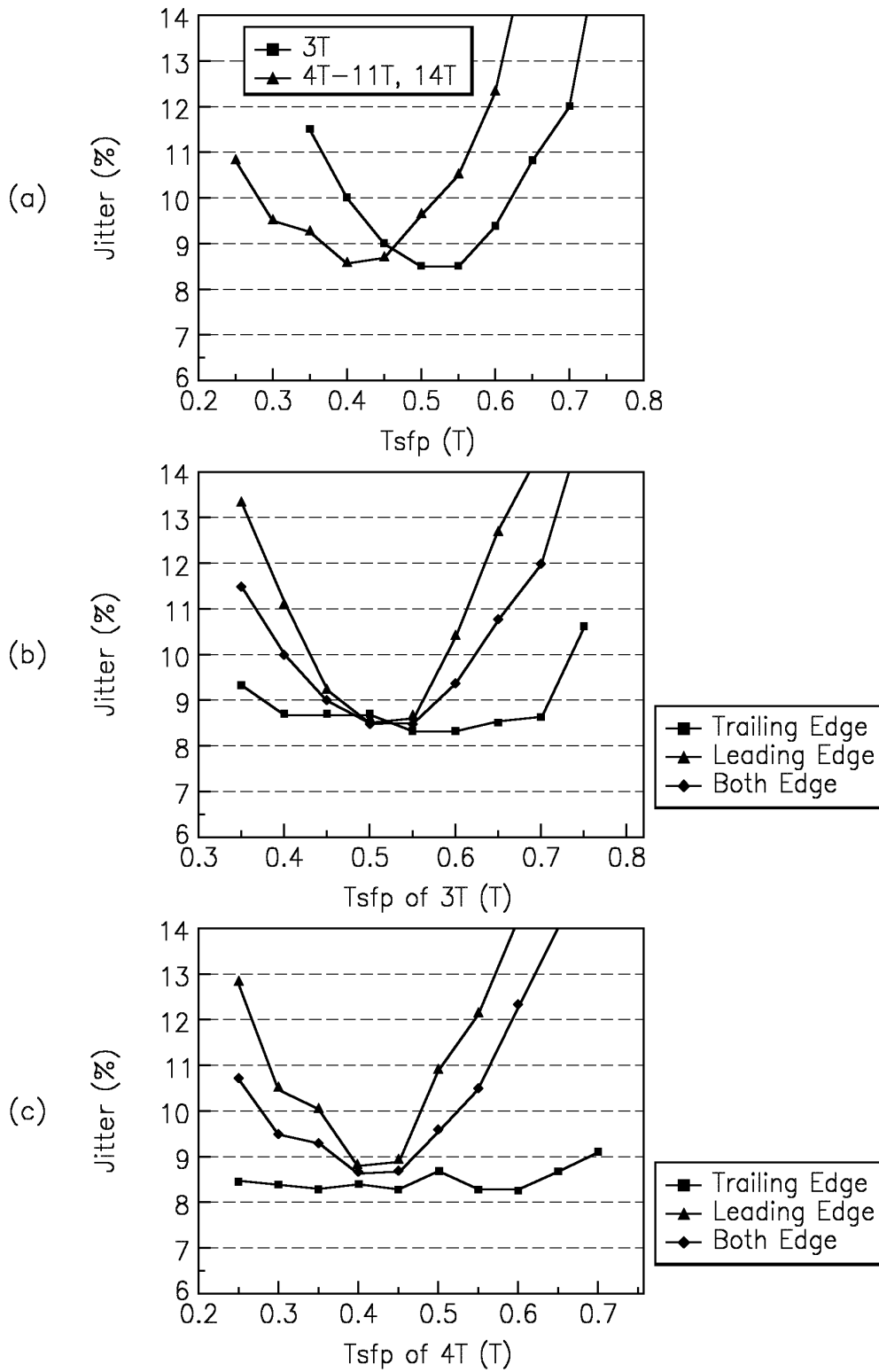


FIG. 13 (PRIOR ART)

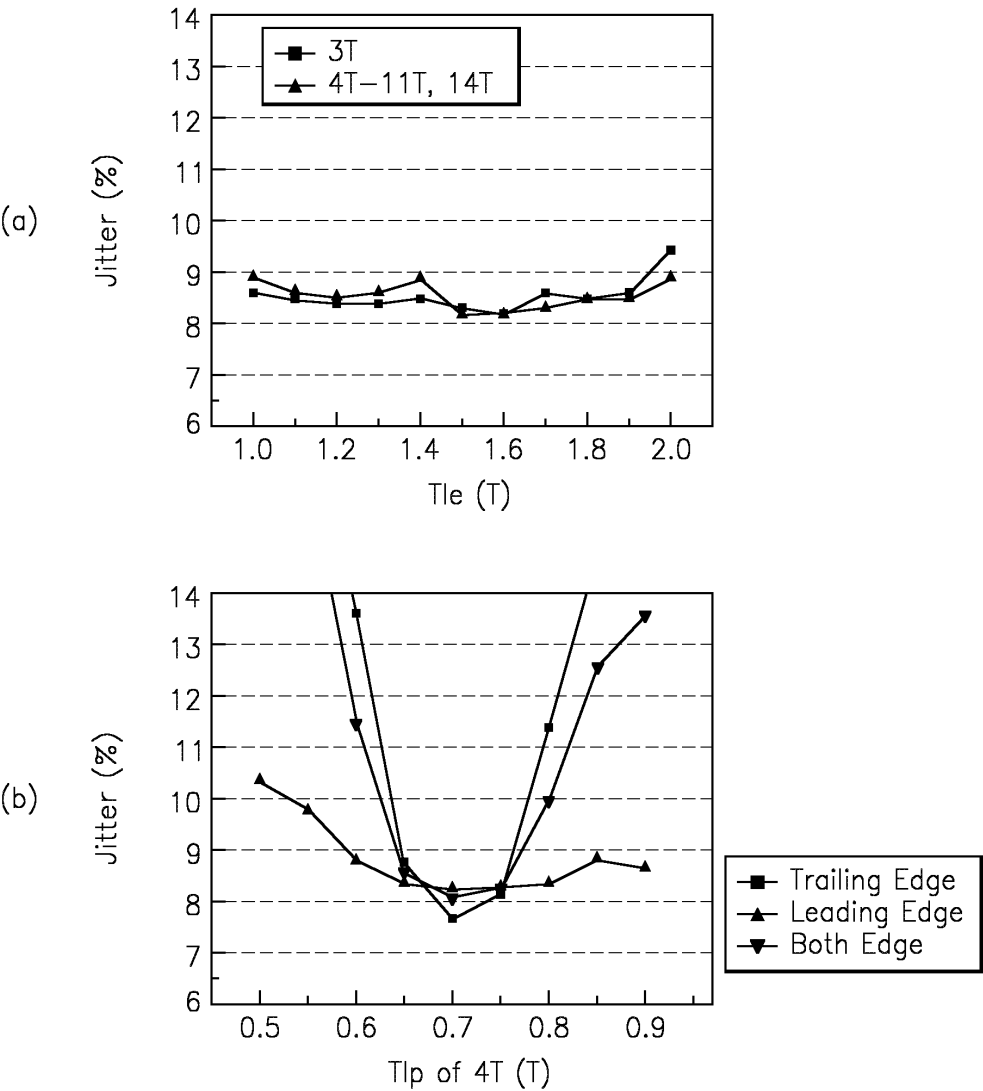


FIG. 14

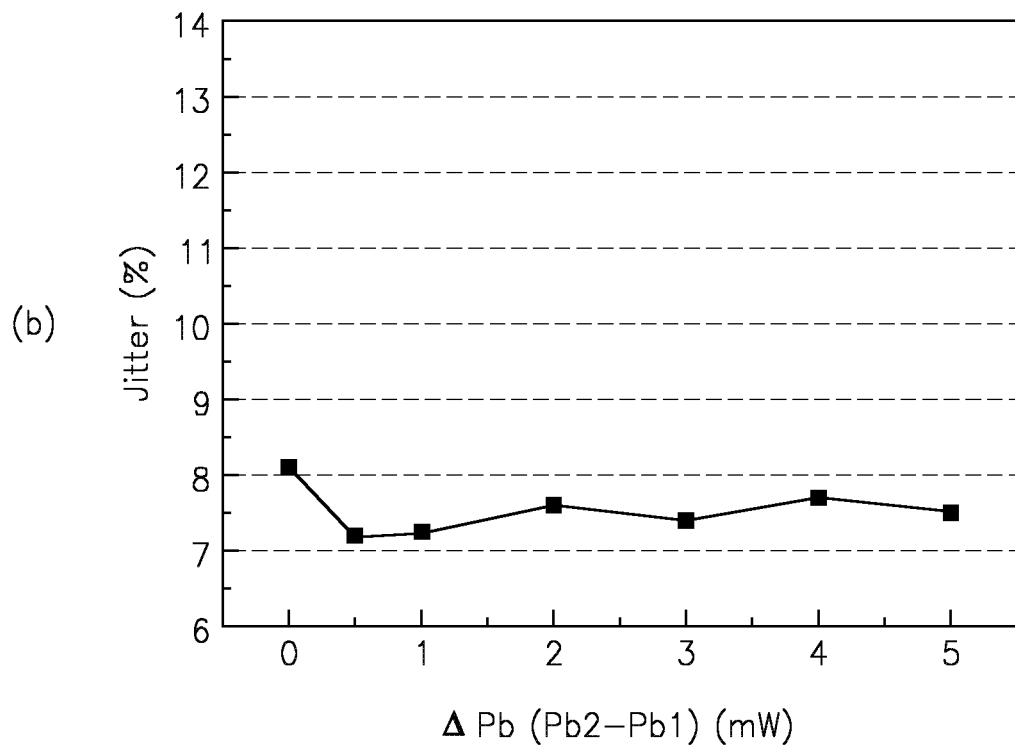
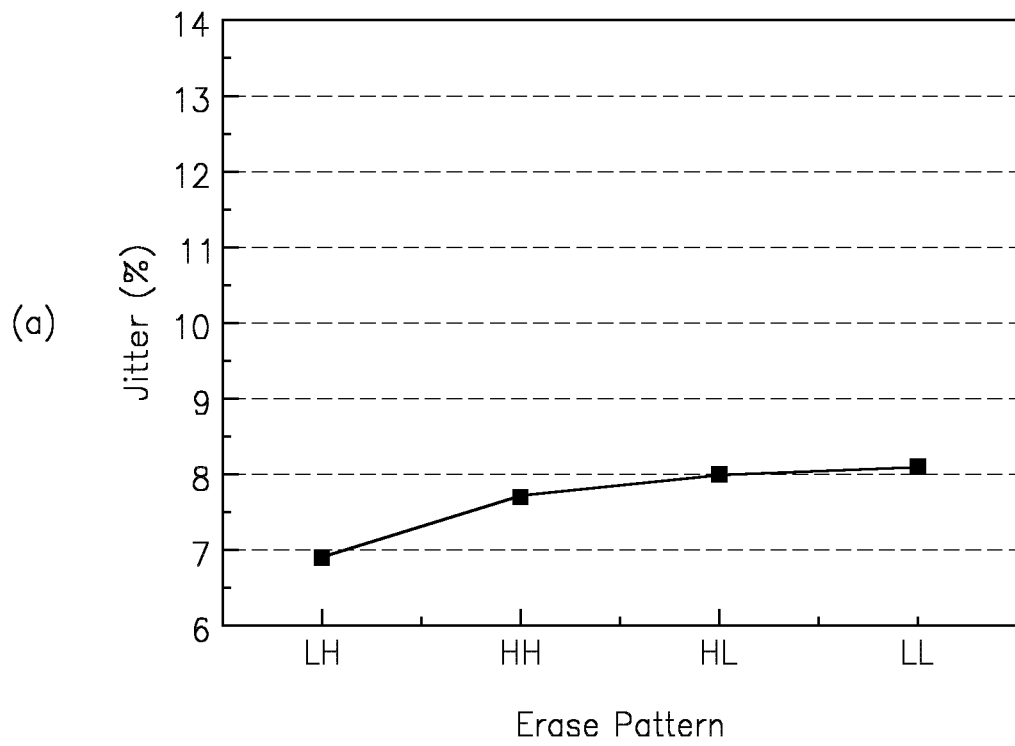


FIG. 15

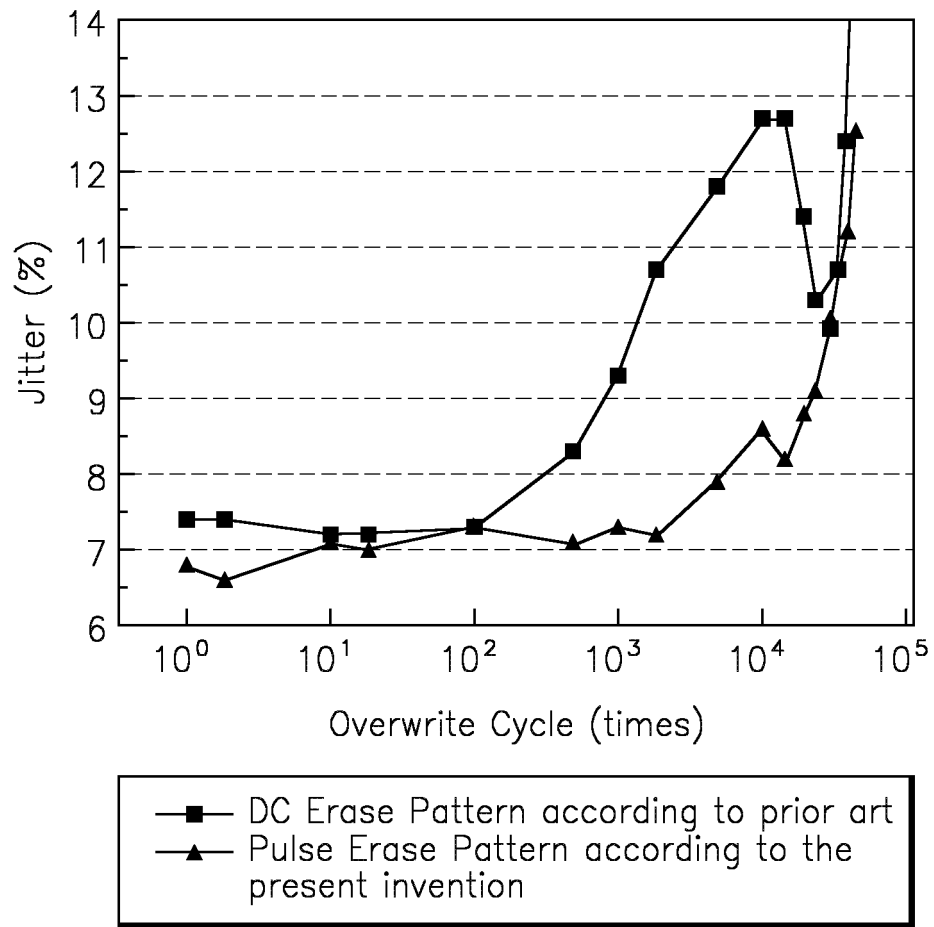


FIG. 16 (PRIOR ART)

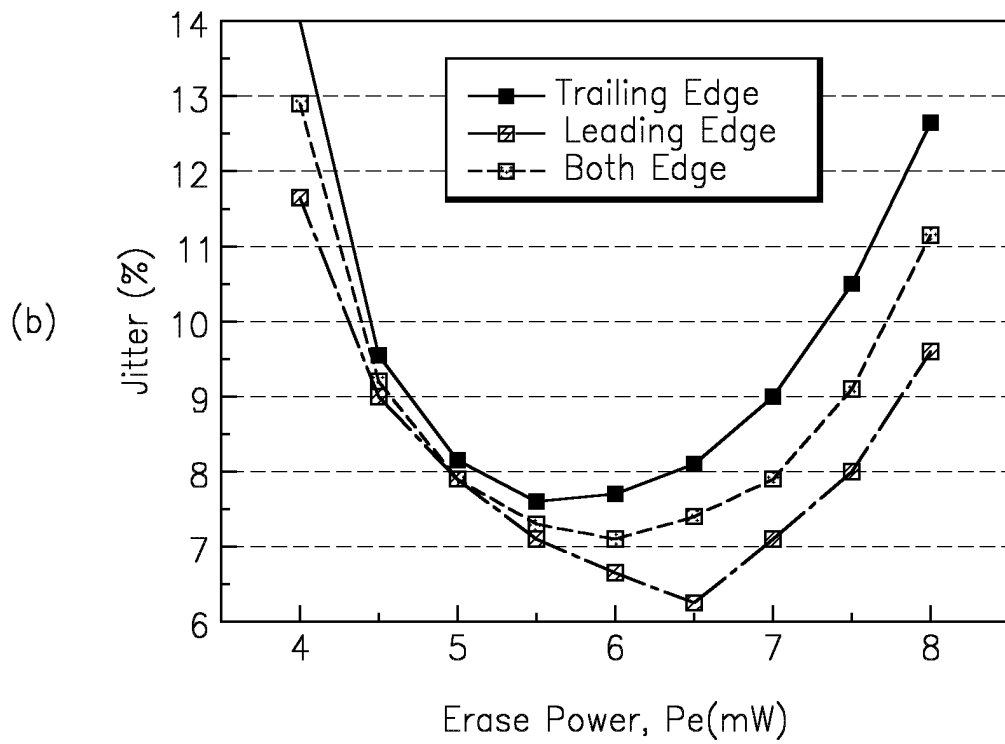
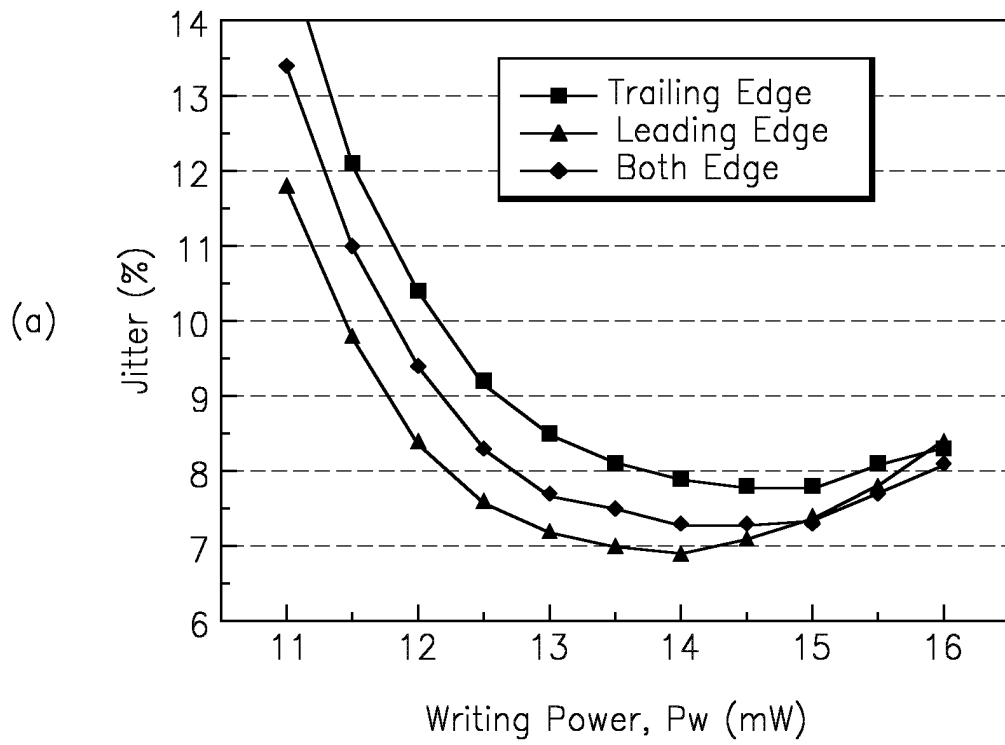


FIG. 17 (PRIOR ART)

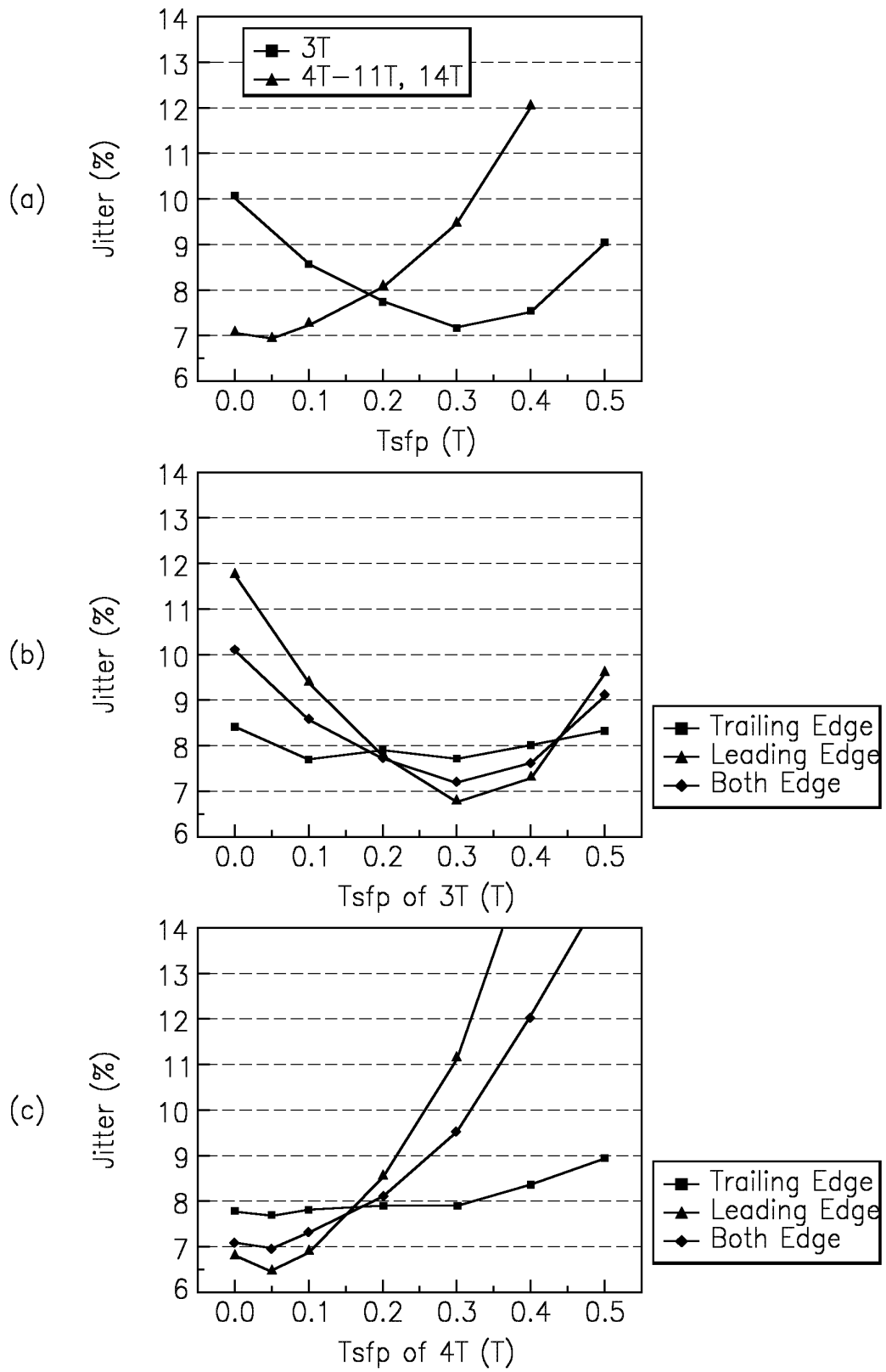


FIG. 18

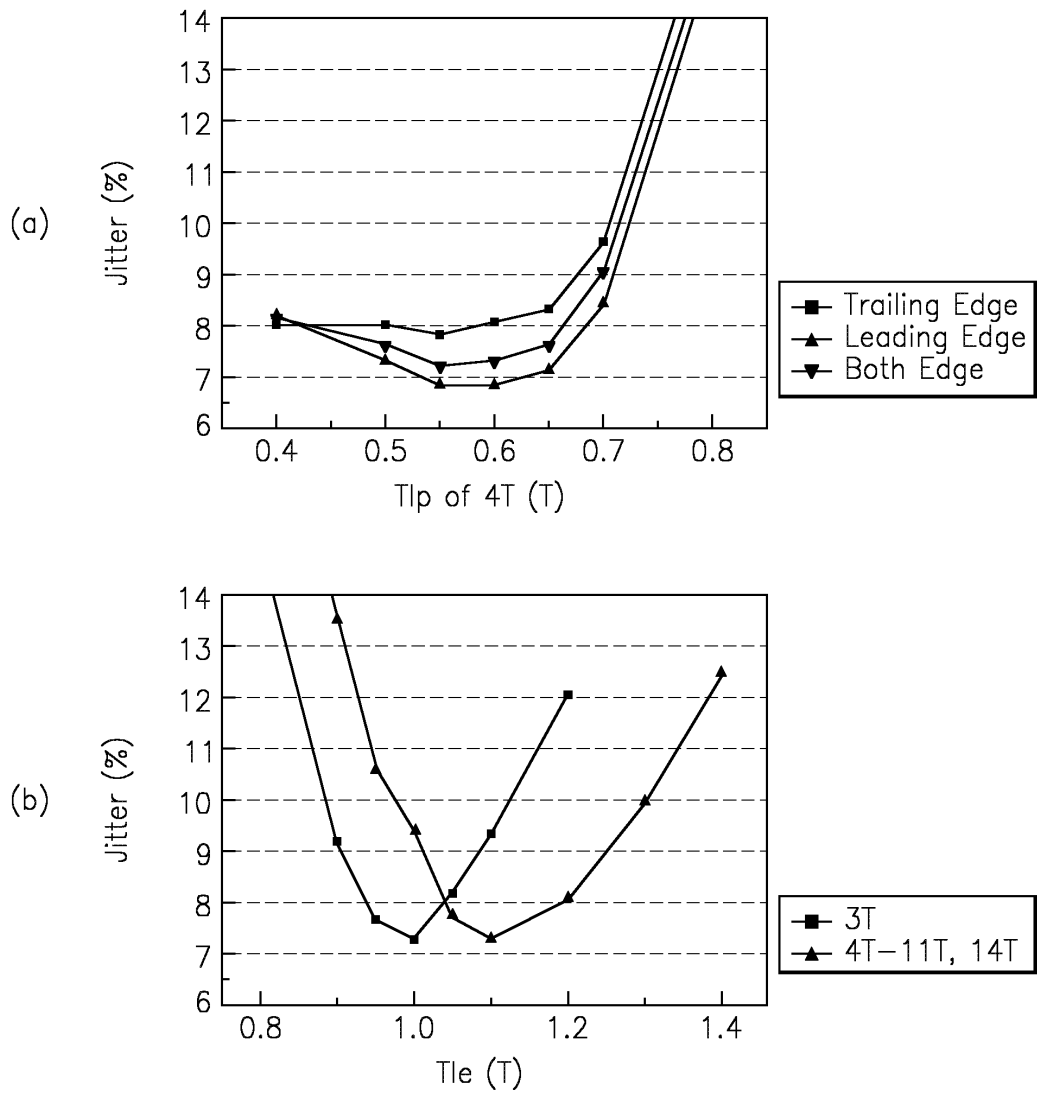


FIG. 19

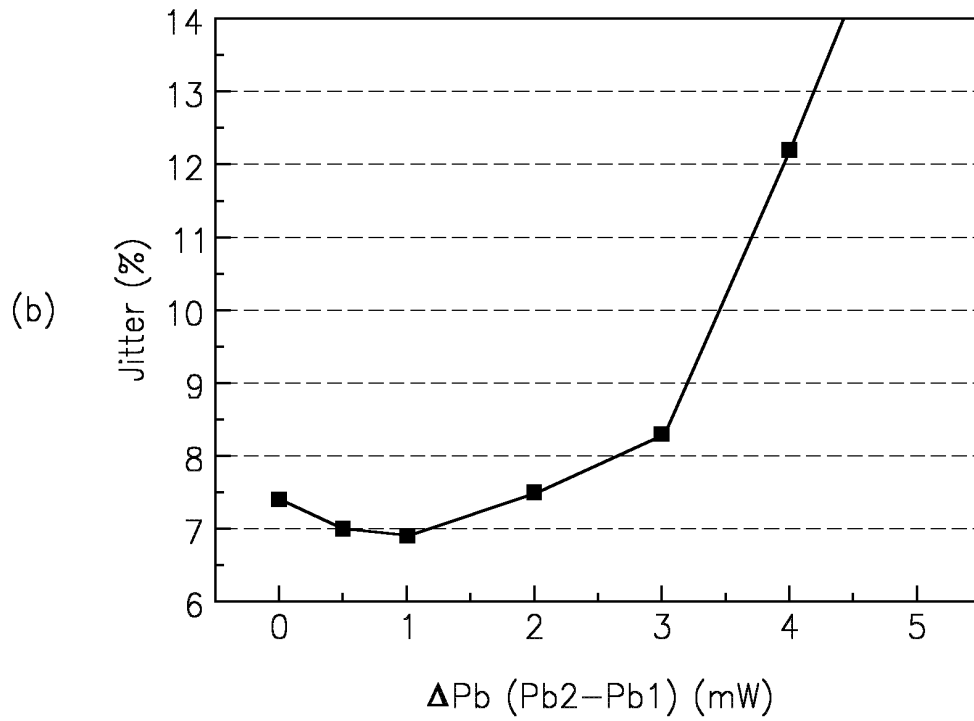
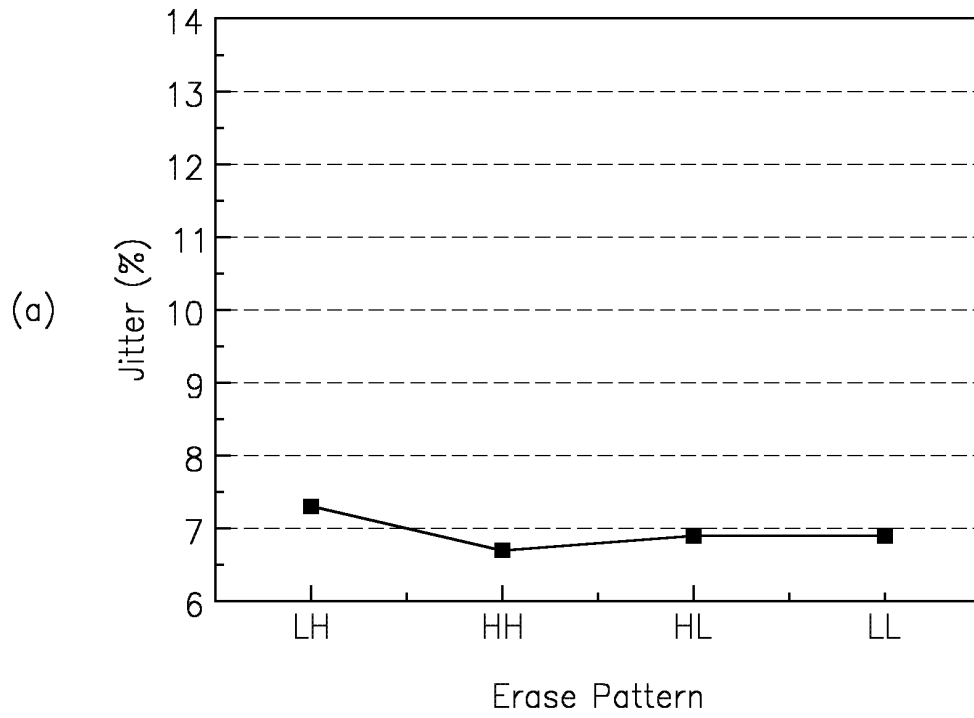


FIG. 20

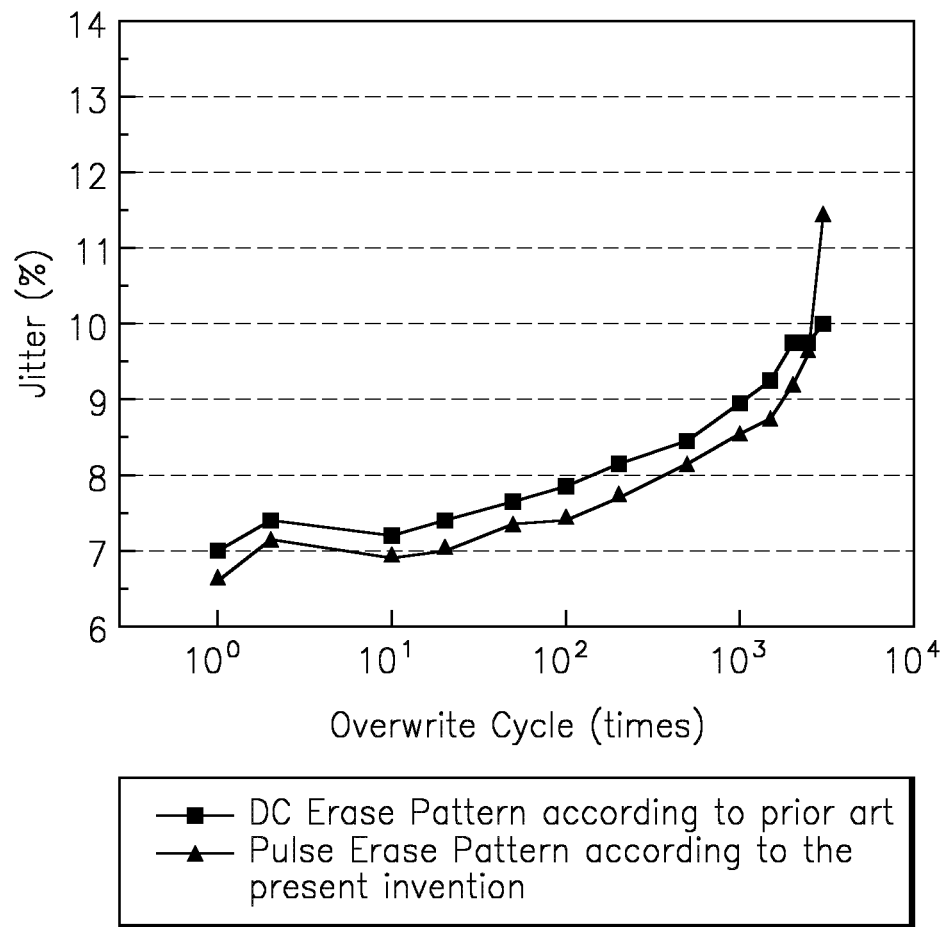


FIG. 21

