EXHIBIT 1030

U.S. PATENT NO. 3,949,162 TO MALUEG ("MALUEG")

TRW Automotive U.S. LLC: EXHIBIT 1030 PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NUMBER 8,599,001 IPR2015-00436



Apr. 6, 1976 [45]

[54] DETECTOR ARRAY FIXED-PATTERN NOISE COMPENSATION

[75] Inventor: Richard M. Malueg, Glendora,

[73] Assignee: Actron Industries, Inc., Monrovia,

Calif.

[22] Filed: Feb. 25, 1974

[21] Appl. No.: 445,802

Malueg

[52] [51] Int. Cl.² H04N 5/30; H04N 5/21

[56] References Cited

	UNITED	STATES PATENTS	
3,584,146	6/1971	Catt et al.	178/7.1
3,629,499	12/1971	Carlson 178/	DIG. 12
3,790,705	2/1974	Kamin	178/7.1
3,800,079	3/1974	McNeil et al	178/7.1
3,814,847	6/1974	Longuet	178/7.1

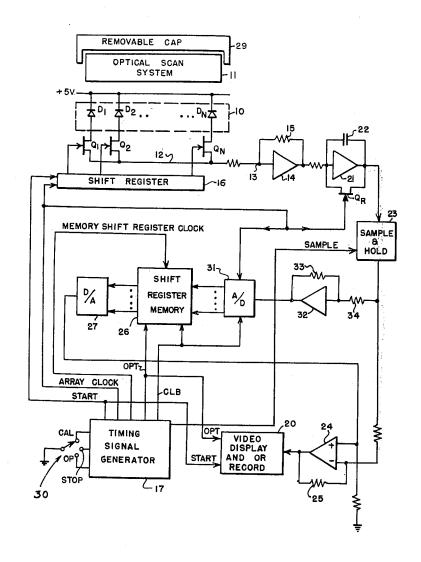
3,830,972 8/1974 Siverling et al...... 178/7.1

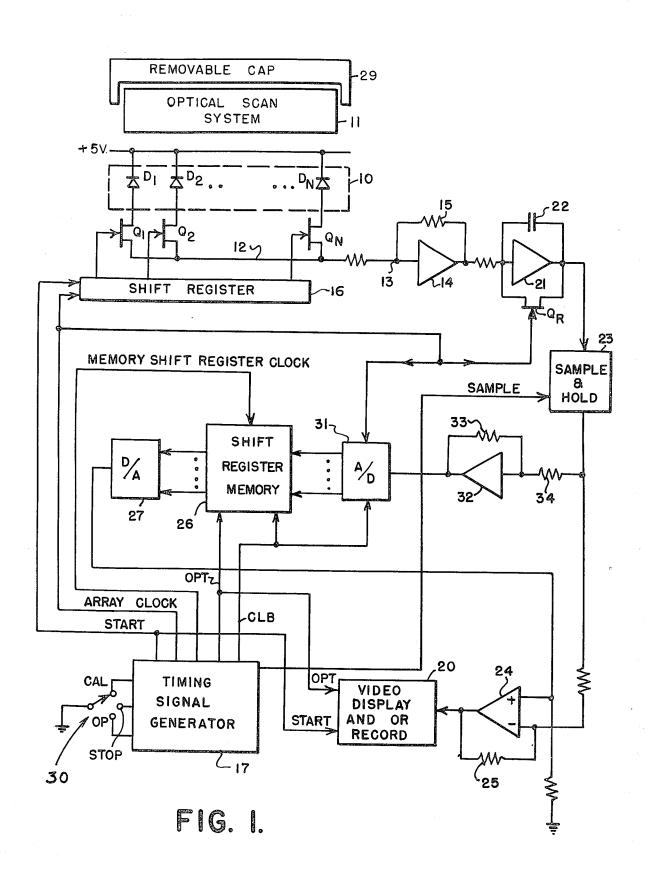
Primary Examiner—Robert L. Richardson Attorney, Agent, or Firm-Marvin H. Kleinberg

ABSTRACT

Fixed pattern noise compensation is provided for an array of detectors by premeasuring output signals of the detectors under a low (preferably at virtually absolute zero) level of uniform incident energy, converting the measured signal level of each detector to digital signals, and storing the digital signals in a memory for reading out in synchronism with scanning outputs of the detectors during normal system operation. The digital compensation signals are converted to analog form and subtracted from the output signals of the respective detectors during each successive scan cycle of the system operation. To eliminate error from random noise, several noise measurements may be averaged to produce the fixed pattern noise compensation signals.

14 Claims, 6 Drawing Figures





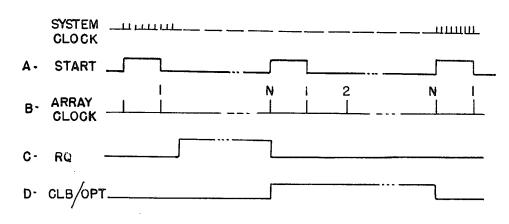


FIG. 2.

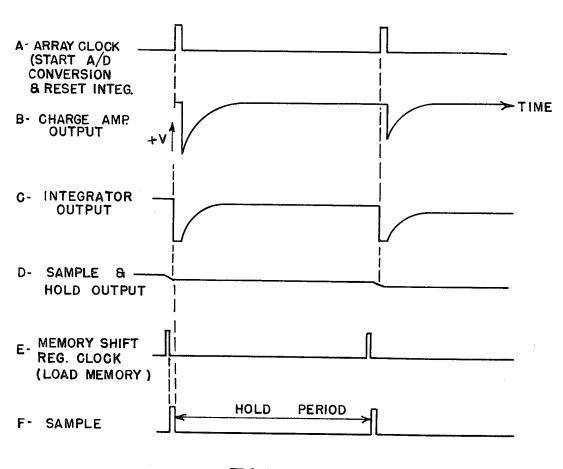
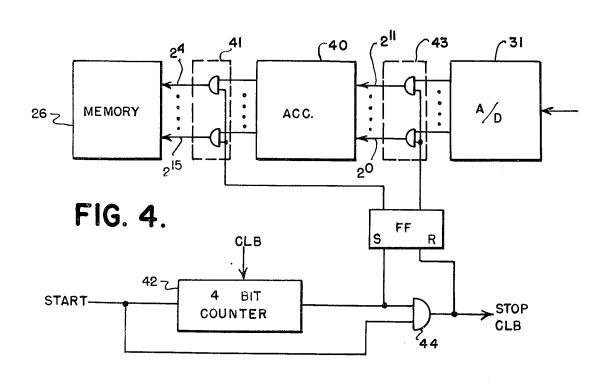
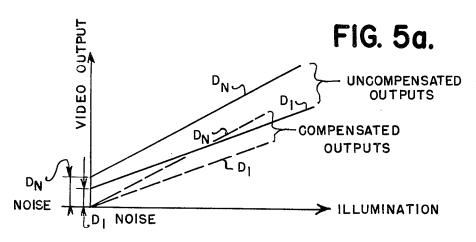
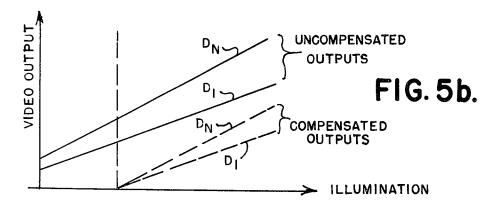


FIG. 3.







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