US000001806H

United States Statutory Invention Registration [19]

[11] Reg. Number: H1,806

[45] Published: Oct. 5, 1999

[54] VARIABLE RADAR ALTIMETER TEST APPARATUS

[75] Inventors:

[73] Assignee: The United States of America as represented by the Secretary of the Navy, Washington, D.C.

[21] Appl. No.: 08/724,004

[22] Filed: Sep. 30, 1996

[51] Int. Cl.[6] G01S 7/40

[52] U.S. Cl. 342/165; 342/120

[58] Field of Search 342/165, 169, 342/170, 171, 172, 173, 174

[56] References Cited

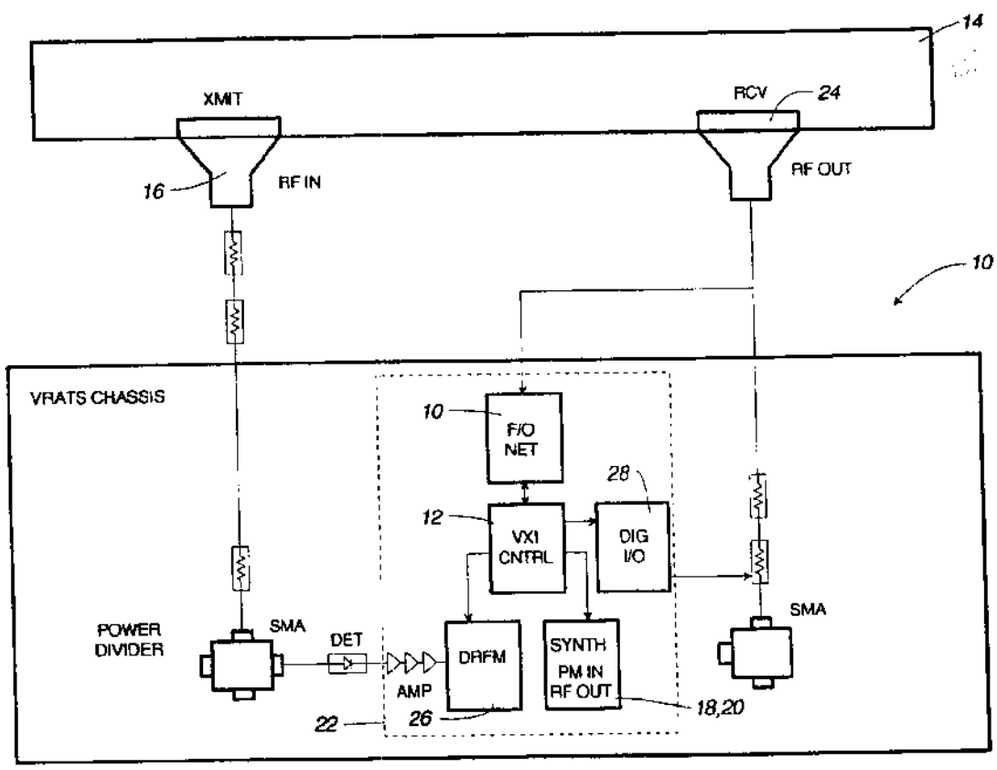
U.S. PATENT DOCUMENTS

3,955,199	5/1976	Hutzelman et al.	342/171
4,121,213	10/1978	Bush et al.	342/172
4,490,117	12/1984	Parker	434/35
4,531,127	7/1985	Springer	342/165
4,679,049	7/1987	Riffiod	342/172
4,683,473	7/1987	Haugland	342/172
4,698,635	10/1987	Hilton et al.	342/64
4,945,360	7/1990	Trummer et al.	342/122
5,160,933	11/1992	Hager	342/174
5,260,874	11/1993	Berner et al.	364/424.03
5,300,934	4/1994	Asbell et al.	342/172

Primary Examiner—Bernarr E. Gregory
Attorney, Agent, or Firm—Edward J. Connors, Jr.

[57] ABSTRACT

A variable radar altimeter test system for providing a test of the altimeter portion of a flying object guidance system which simulates actual flight conditions includes an antenna connection to receive a signal from the flying object being tested, a synthesizer for generating a signal programmed to simulate data characteristic of a radar return signal, pulse modulation of the programmed signal to create a third signal which is returned to the flying object under test to stimulate the altimeter portion of its guidance system.

2 Claims, 3 Drawing Sheets

A statutory invention registration is not a patent. It has the defensive attributes of a patent but does not have the enforceable attributes of a patent. No article or advertisement or the like may use the term patent, or any term suggestive of a patent, when referring to a statutory invention registration. For more specific information on the rights associated with a statutory invention registration see 35 U.S.C. 157.