

(12) United States Patent
Razazian et al.

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- (54) **SWITCHING COMPRESSION ROUTINES WITH NO LOSS OF DATA**
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- (73) Assignee: **Nortel Networks Limited**, Montreal (CA)
- (*) Notice: Under 35 U.S.C. 154(b), the term of this patent shall be extended for 0 days.

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- (21) Appl. No.: **09/190,389**
- (22) Filed: **Nov. 10, 1998**
- (51) Int. Cl.⁷ **H04J 3/16; H04J 3/18**
- (52) U.S. Cl. **370/468; 370/477; 375/241**
- (58) Field of Search 370/477, 521, 370/465, 468, 433, 435; 375/240, 241, 377

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Assistant Examiner—Phuongchau Ba Nguyen
 (74) *Attorney, Agent, or Firm*—Blakely Sokoloff Taylor & Zafman LLP

(57) ABSTRACT

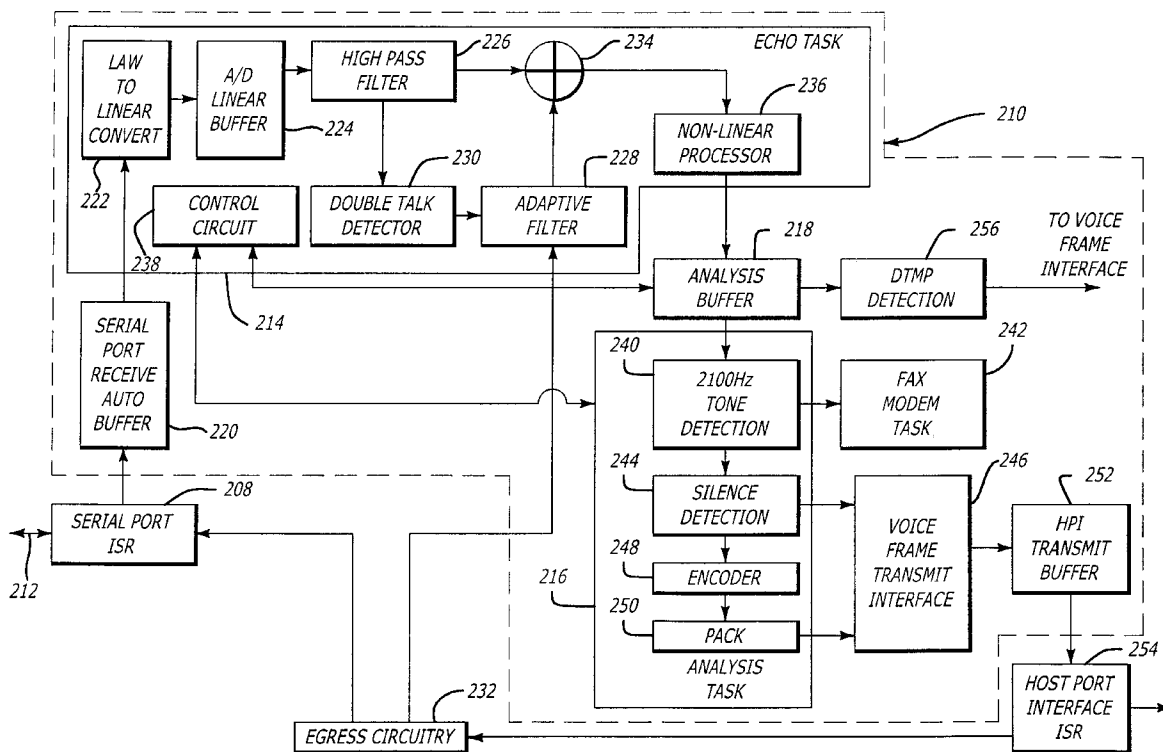
A method and apparatus to change compression methods without data loss. A real time system for converting compressing data using one of several compression methods is described. When a change in compression rates is requested, the system changes compression methods while continuing to compress data in real time without data loss.

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19 Claims, 5 Drawing Sheets



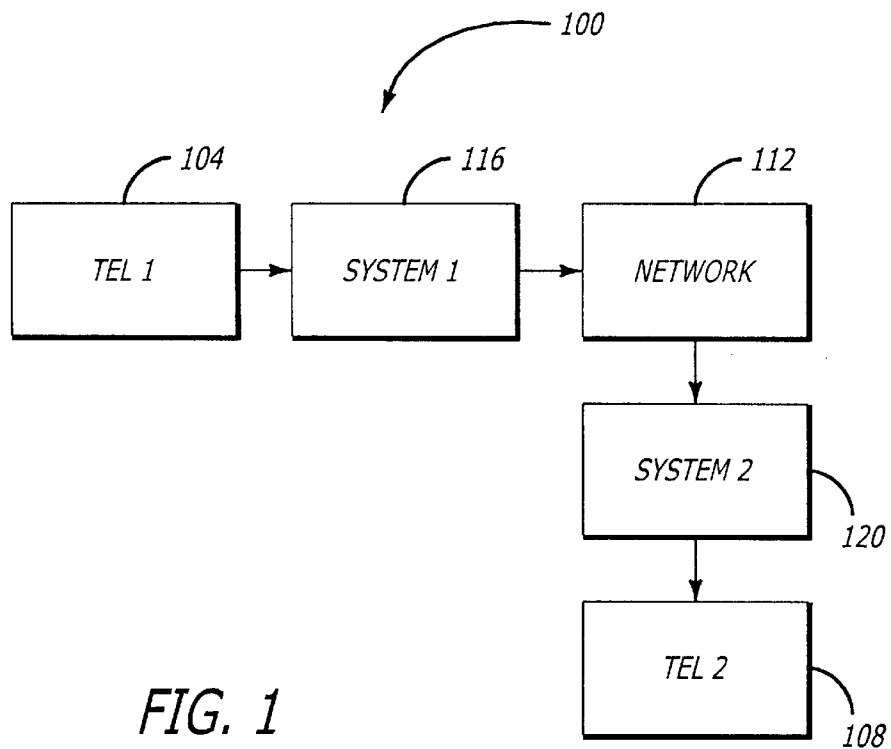


FIG. 1

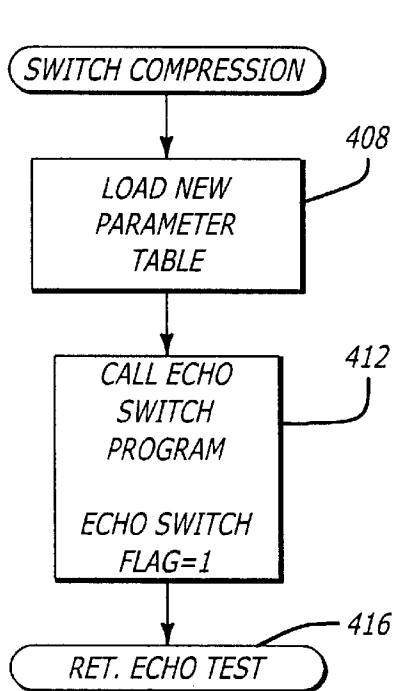


FIG. 4

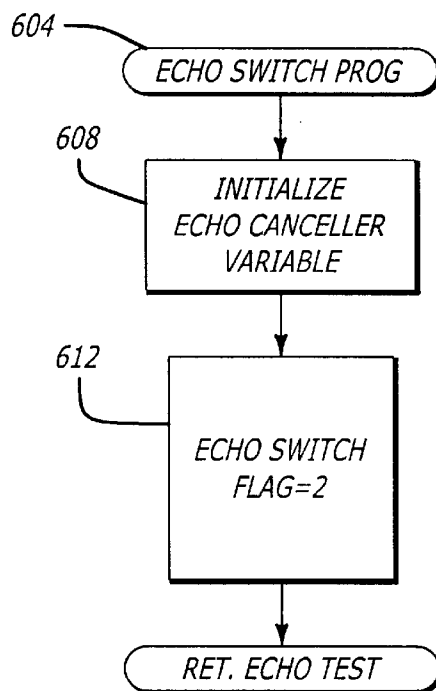


FIG. 6

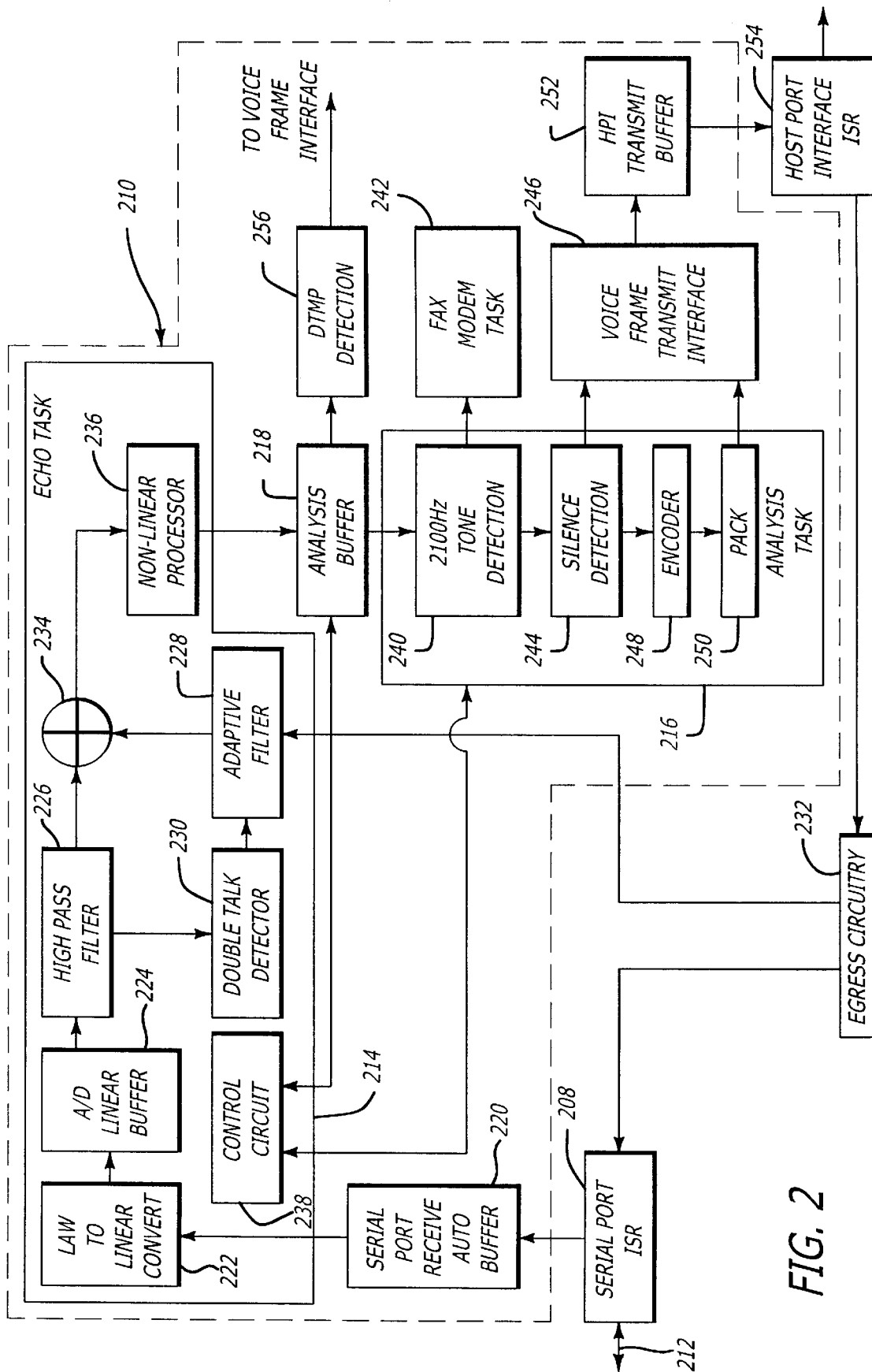
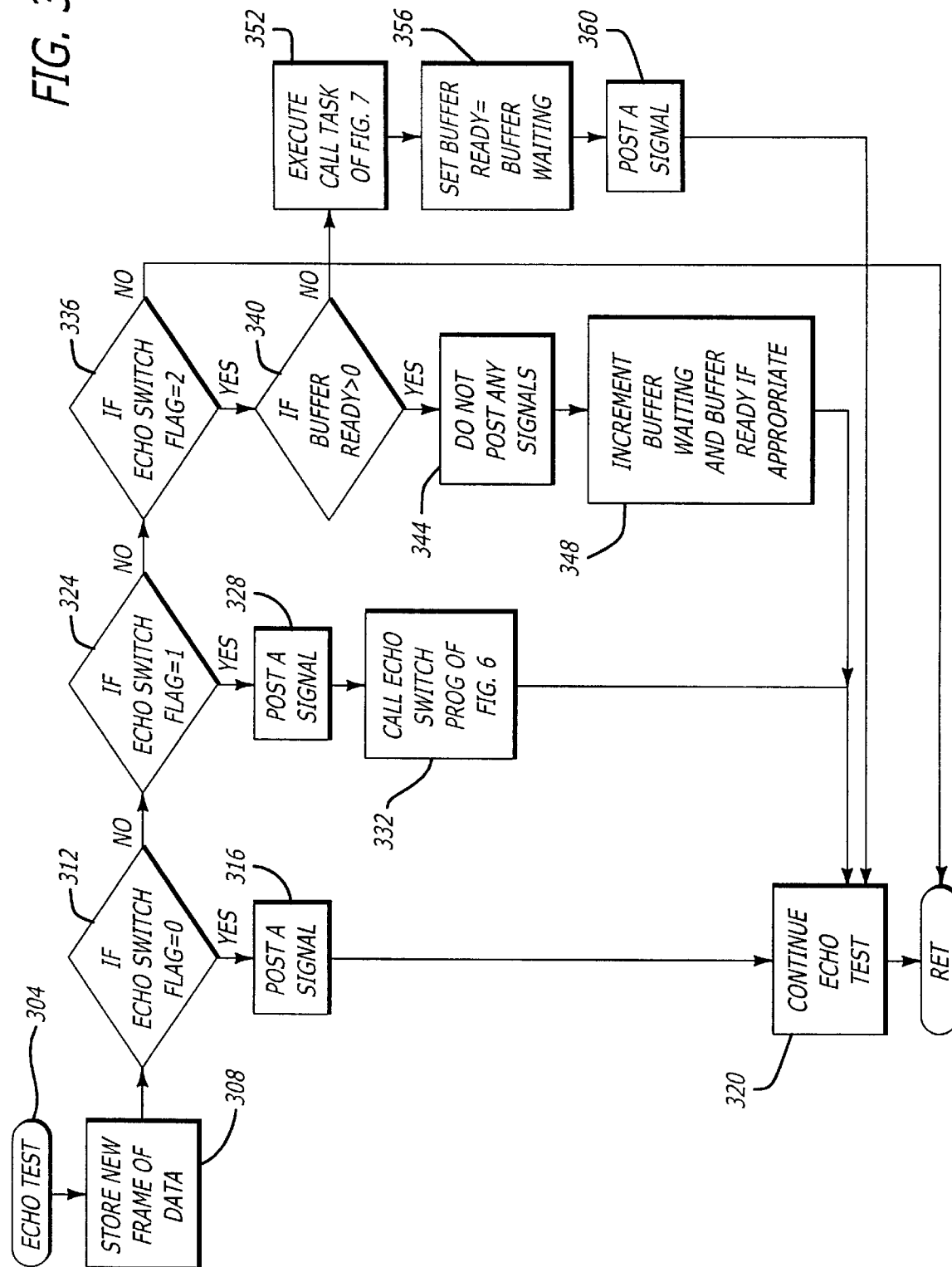


FIG. 2

FIG. 3



500
↙

SPEECH ALGORITHM TYPE	ALGORITHM DESCRIPTION	ALLOWED BIT RATES	RATE NUMBER
0	1x64 BTDS	64000	N/A
1	64kbps PCM	64000	N/A
2	g.729	8000	NOT SUPPORTED IN RELEASE 1

FIG. 5

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