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United States Patent [19]

Schwendeman

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Date of Patent: [45]

Mar. 7, 1995

[54]	RELIABLE MESSAGE DELIVERY SYSTEM		5,138,311	8/1992	Weinberg .
[75]	Inventor:	Robert J. Schwendeman, Pompano Beach, Fla.	5,315,635	5/1994	Thomas et al
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Assignee: Motorola, Inc., Schaumburg, Ill.

[21] Appl. No.: 963,370

[22] Filed: Oct. 19, 1992

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 954,106, Sep. 30, 1992, Pat. No. 5,315,635.

[51]	Int. Cl.6	H04M 11/00
	U.S. Cl	
		340/825.44
[58]	Field of Search	

379/97, 98, 99; 340/825.44, 311.1, 825.07, 825.15, 825.17; 370/94.1; 358/437, 439, 441

[56] References Cited

U.S. PATENT DOCUMENTS

4,644,351	2/1987	Zabarsky et al 379/57	X
4,803,487	2/1989	Williard et al	
4,875,038	10/1989	Siwiak et al	
4,882,579	11/1989	Siwiak .	
4,914,649	4/1990	Schwendeman et al	
4,918,437	4/1990	Jusinski et al	
4,952,929	8/1990	DeLuca et al	
4,991,197	2/1991	Morris 379/5	8
5,043,721	8/1991	May .	
5,051,992	9/1991	DeLuca et al	

.... 370/94.1 379/57

OTHER PUBLICATIONS

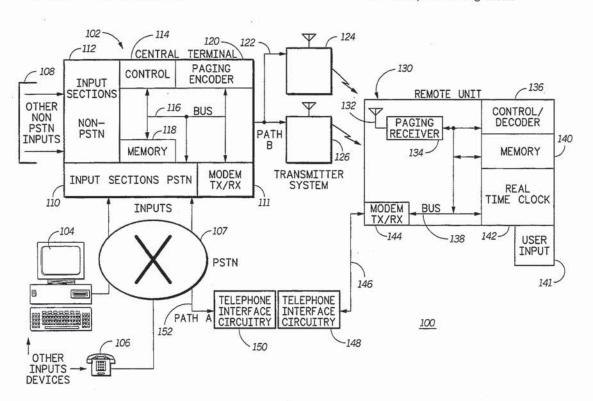
EMBARC Advanced Messaging by Motorola, Brochure No. RC-5-60 Sep. 1992.

Primary Examiner-Curtis Kuntz Assistant Examiner-G. J. Oehling Attorney, Agent, or Firm-Kelly A. Gardner; John H. Moore

[57] ABSTRACT

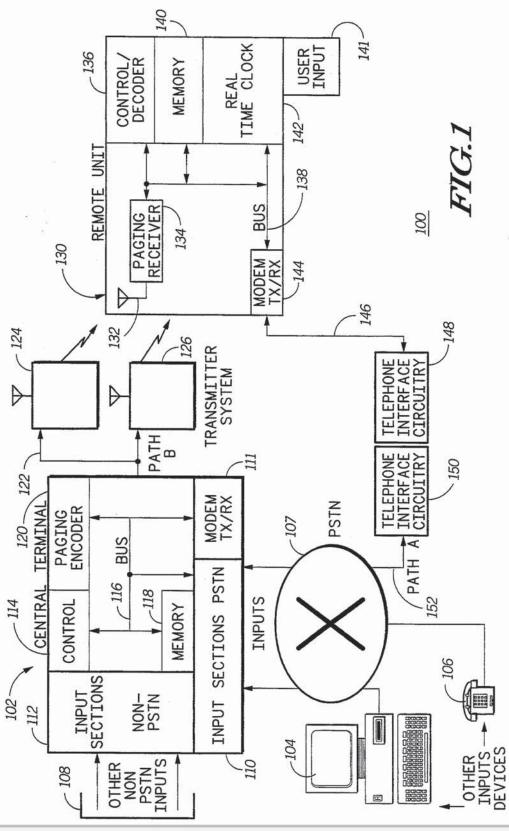
A method and apparatus for reliably delivering messages (200) from a central terminal (102) to a communication receiver (130) in a communication system (100), such as an electronic mail system. The central terminal (102) transmits messages (1300) to the communication receiver (130) and the communication receiver (130) receives transmitted messages (1300) over a first communication medium (122). The communication receiver (130) reconciles messages that it failed to receive over the first communication medium (122) with the central terminal (102) over a second communication medium (152). The reconciliation process between the communication receiver (130) and the central terminal (102) utilizes cyclic redundancy codes (CRCs) transmitted with the messages (1300) to identify the messages (1300) being reconciled.

12 Claims, 11 Drawing Sheets



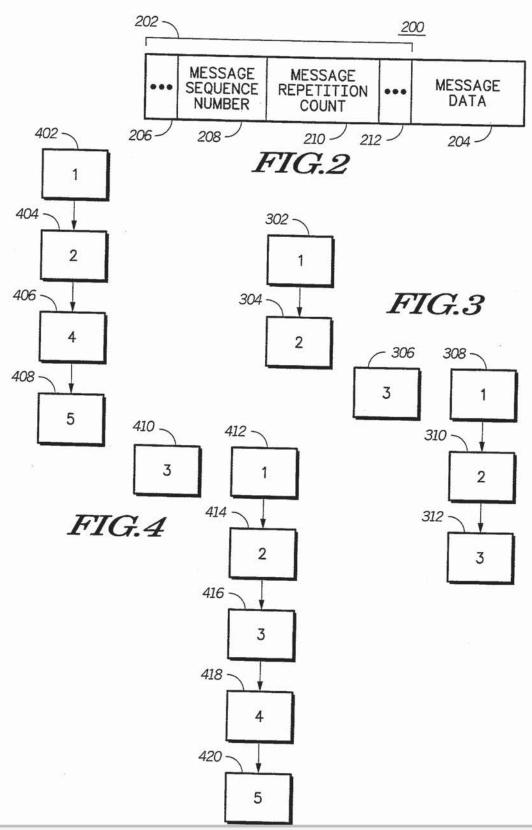


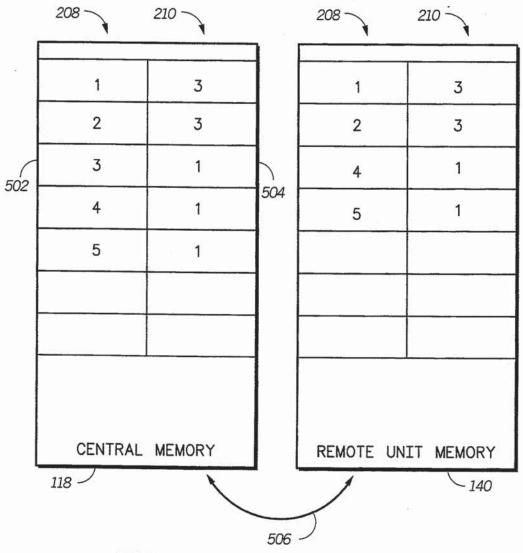
Mar. 7, 1995





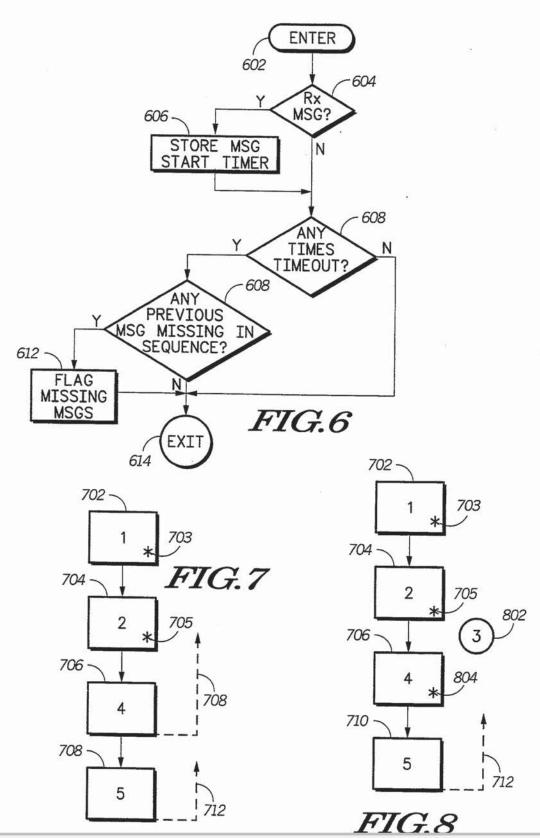
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RECONCILE TX MSGS AGAINST RX MSGS

FIG.5





DOCKET A L A R M

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