## United States Patent [19]

## Tamaru

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Nov. 29, 1988

[54]	COMMUN	ICATION CONTROL APPARATUS		
[75]	Inventor:	Kiichiro Tamaru, Tokyo, Japan		
[73]	Assignee:	Kabushiki Kaisha Toshiba, Kawasaki, Japan		
[21]	Appl. No.:	912,516		
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Sep	. 30, 1985 [JF	P] Japan 60-216840		
[51] [52] [58]	U.S. Cl Field of Sea			
[56]		References Cited		
	U.S. P	ATENT DOCUMENTS		

U.S. PATENT DOCUMENTS					
,060,849	11/1977	Bienvenu et al 364/200			
,309,756	1/1982	Beckler 364/300			
,320,520	3/1982	Graham 370/92			
,410,889	10/1983	Bryant et al 370/94			
		Bishop et al. 364/300			

4,484,263	11/1984	Olson et al	364/200
4,558,413	12/1985	Schmidt et al	364/300
4,742,516	5/1988	Yamaguchi	. 370/94

#### OTHER PUBLICATIONS

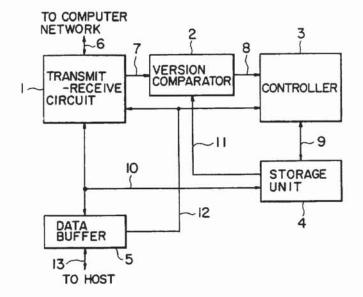
Mano, M. M., Computer System Architecture, N.J. Prentice-Hall, 1982, pp. 18-20, 328-338 and 462-473.

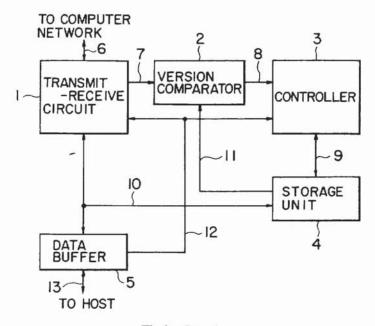
Primary Examiner—Gareth D. Shaw Assistant Examiner—Joseph T. Fitzgerald Attorney, Agent, or Firm—Foley & Lardner, Schwartz, Jeffery, Schwaab, Mack, Blumenthal & Evans

#### [57] ABSTRACT

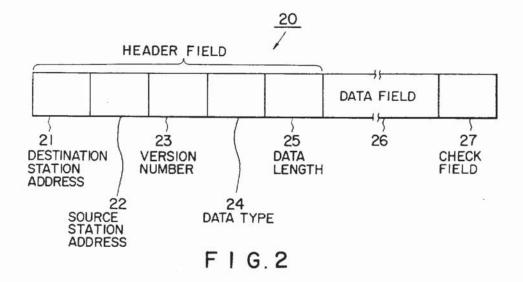
A communication control apparatus wherein the version number of a communication control program in a packet accepted by a receive circuit is compared at a comparator with that of the local station. When the version for the local station is determined to be older than the version for the remote station, the apparatus receives the latest communication control program from the remote station and stores it in a rewritable memory, thereby allowing communication using the latest version.

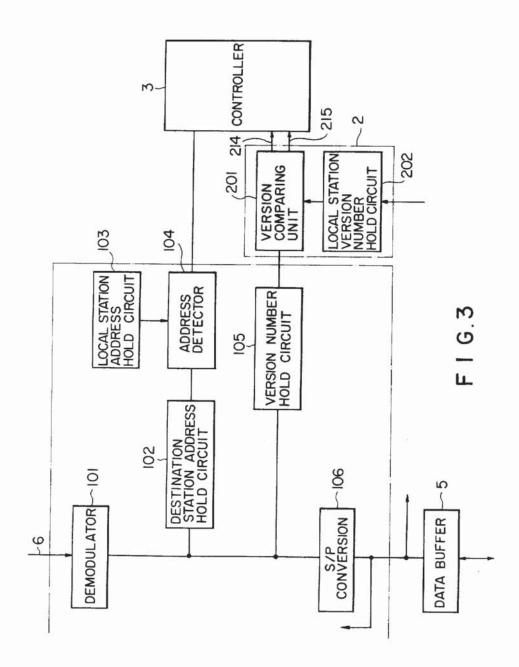
### 8 Claims, 5 Drawing Sheets

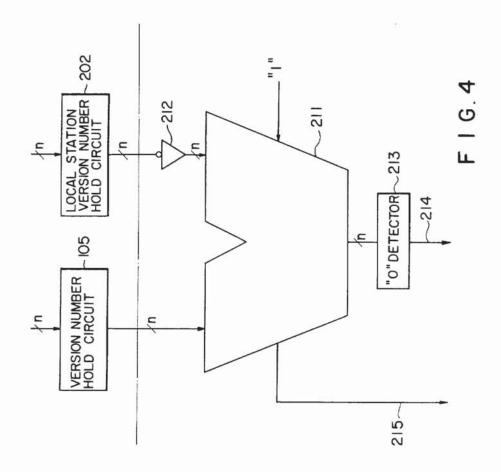


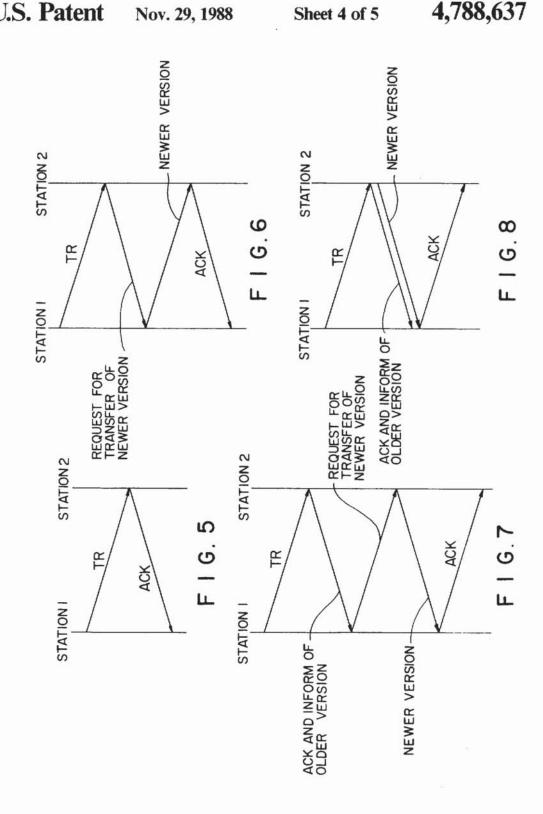


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