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*Jan. 28, 1997

[54]	METHOD AND APPARATUS FOR ACCELERATED PACKET PROCESSING		
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[73]	Assignee:	Storage Technology Corporation , Louisville, Colo.	
[*]	Notice:	The term of this patent shall not extend beyond the expiration date of Pat. No. 5,546,390.	
[21]	Appl. No.: 366,225		
[22]	Filed:	Dec. 29, 1994	
[51] [52] [58]	U.S. Cl 370/469; 395/800; 395/670		
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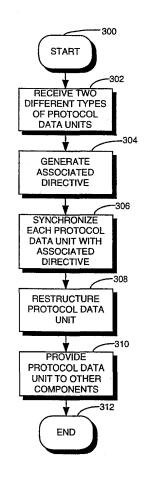
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Primary Examiner—Alpus H. Hsu Attorney, Agent, or Firm—Timothy R. Schulte

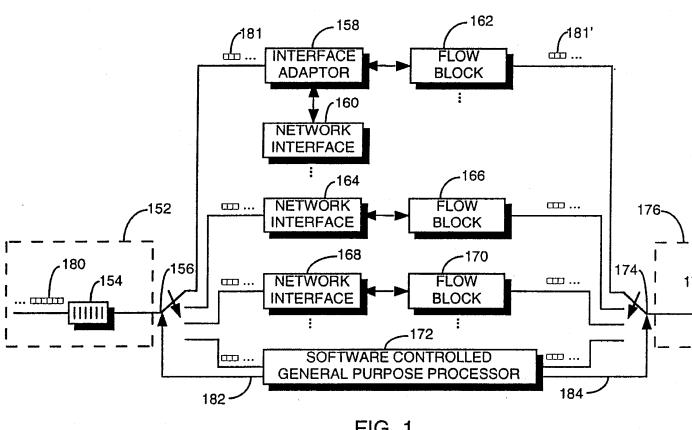
[57] ABSTRACT

A method and apparatus are provided to transfer protocol data units within a communication network. This transferring is accomplished with a protocol data unit processor that is operated in the communication network. The processor includes a preprocessor which establishes subsequent processing requirements of a particular protocol data unit received from the communication network to generate at least one associated directive for the particular protocol data unit. Subsequently, a synchronizing mechanism synchronizes the particular protocol data unit with the at least one associated directive to generate a synchronized protocol data unit. A restructuring device restructures the synchronized protocol data unit in accordance with the at least one associated directive for the protocol data unit to generate a restructured protocol data unit. In addition, a method of operating the protocol data unit processor in a heterogeneous communication network is provided.

31 Claims, 7 Drawing Sheets



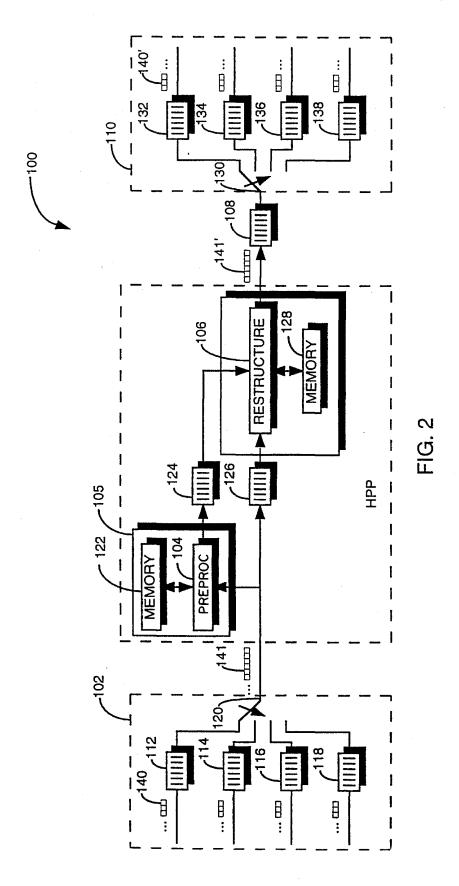


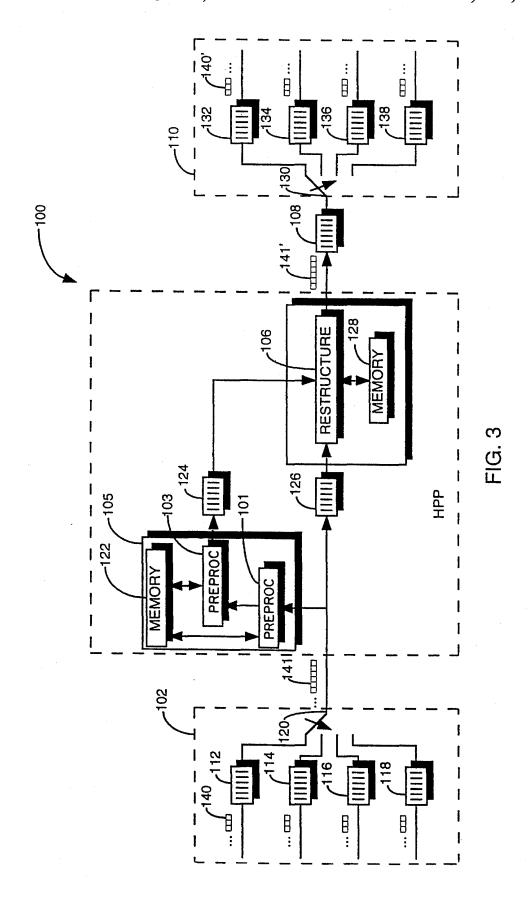


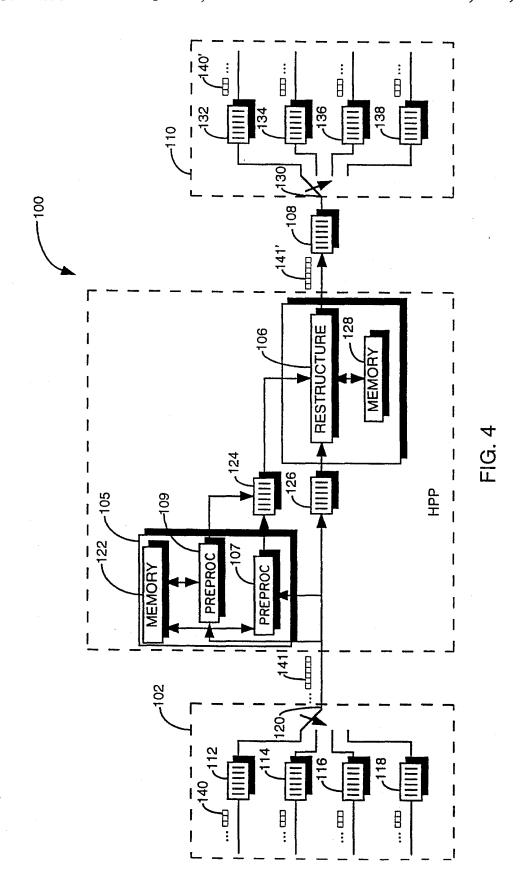




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