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**Yocum et al.**

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(54) **SYSTEM AND METHOD OF ADAPTIVE MESSAGE PIPELINING**

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(52) **U.S. Cl.** ..... **710/52; 710/30; 710/131; 709/250**

(58) **Field of Search** ..... **709/250; 710/52-57; 710/29-35, 129-131**

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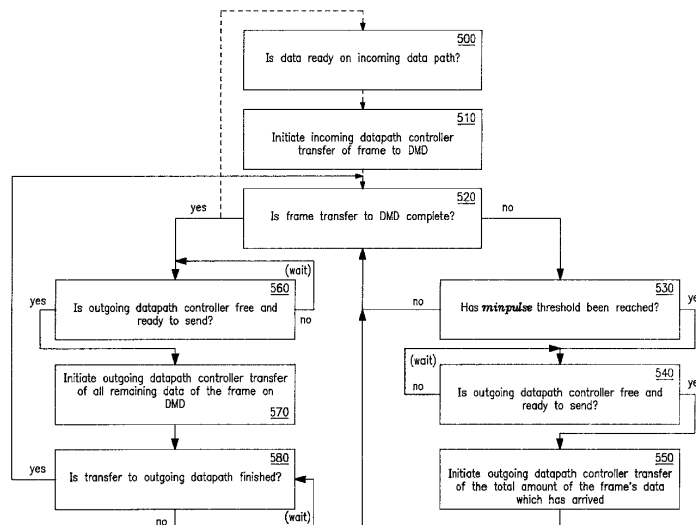
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(57) **ABSTRACT**

A system and method termed adaptive message pipelining in which two or more data paths are joined by a data movement device. The data movement device has a data path controller for each incoming and outgoing data path. Adaptive message pipelining is a dynamic policy which adjusts between a store and forward data delivery method and a cut through delivery of data based upon network and I/O bus contention in order to decrease latency and maximize system throughput.

**15 Claims, 8 Drawing Sheets**



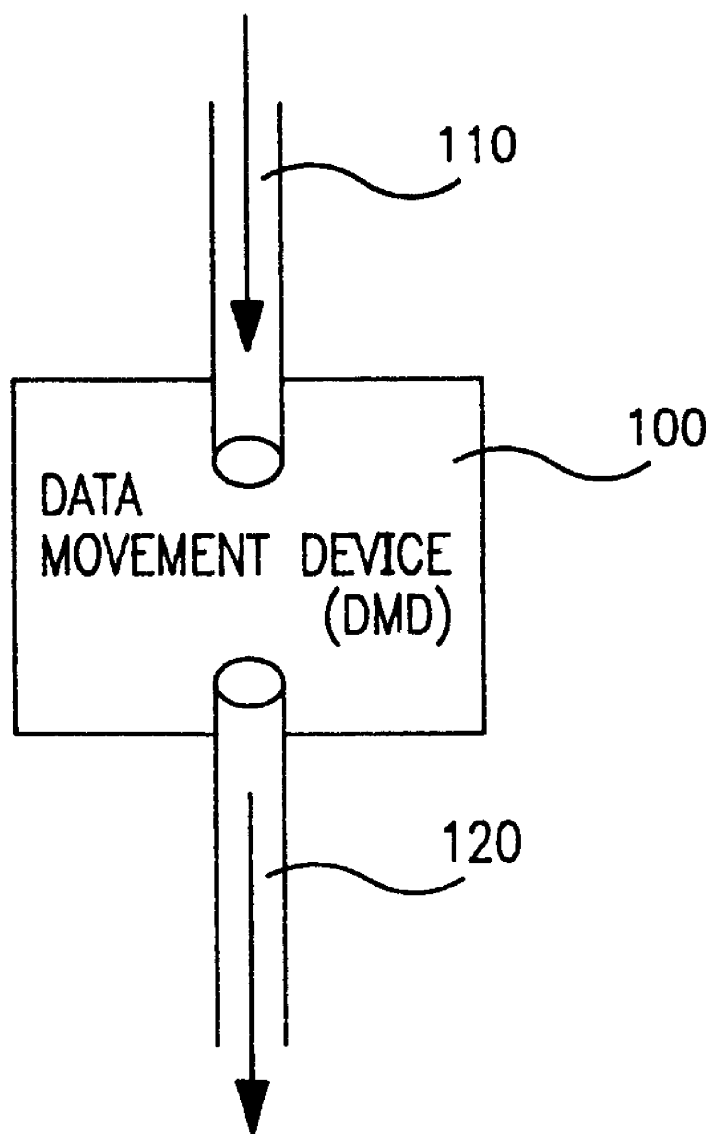
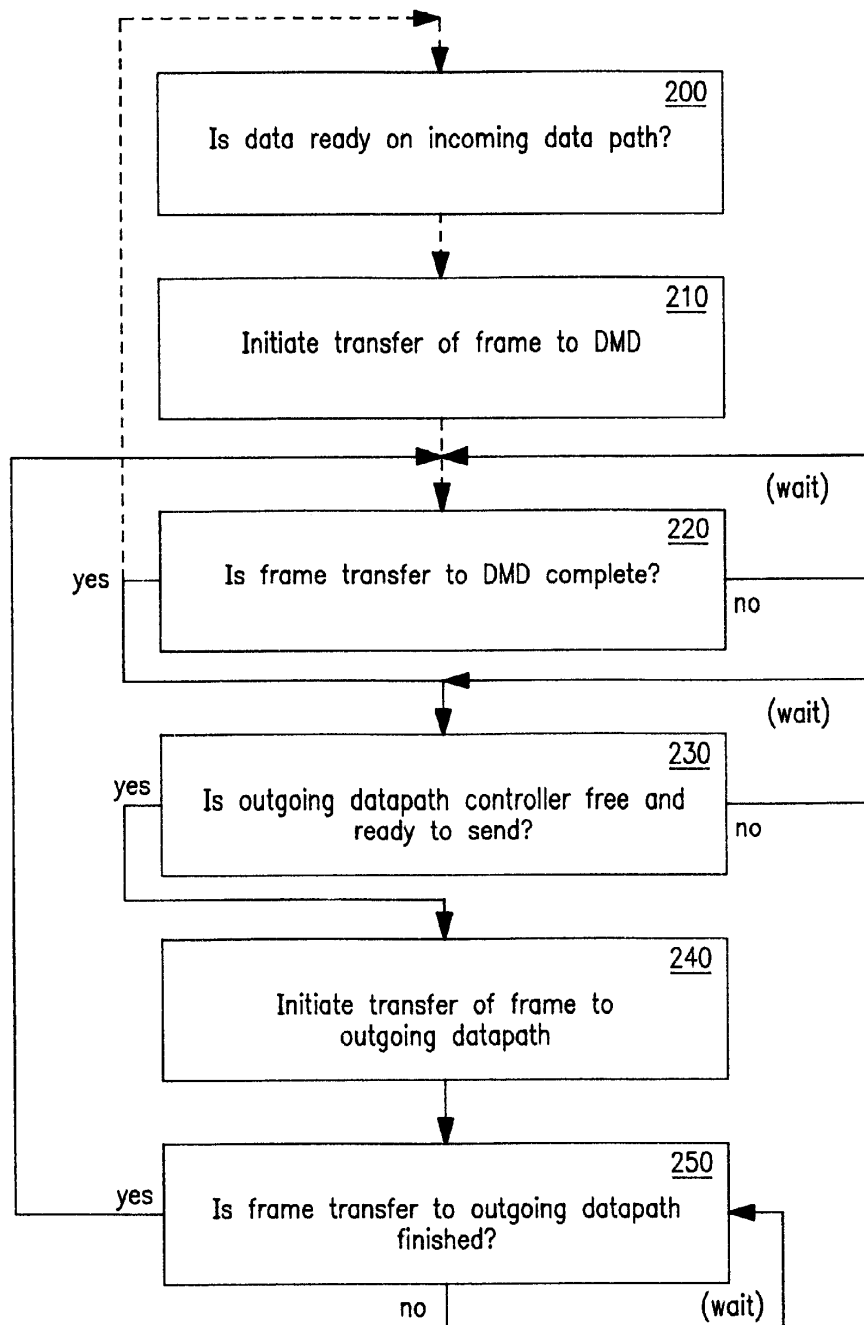


FIG. 1



**FIG. 2**  
PRIOR ART

FIG. 3  
PRIOR ART

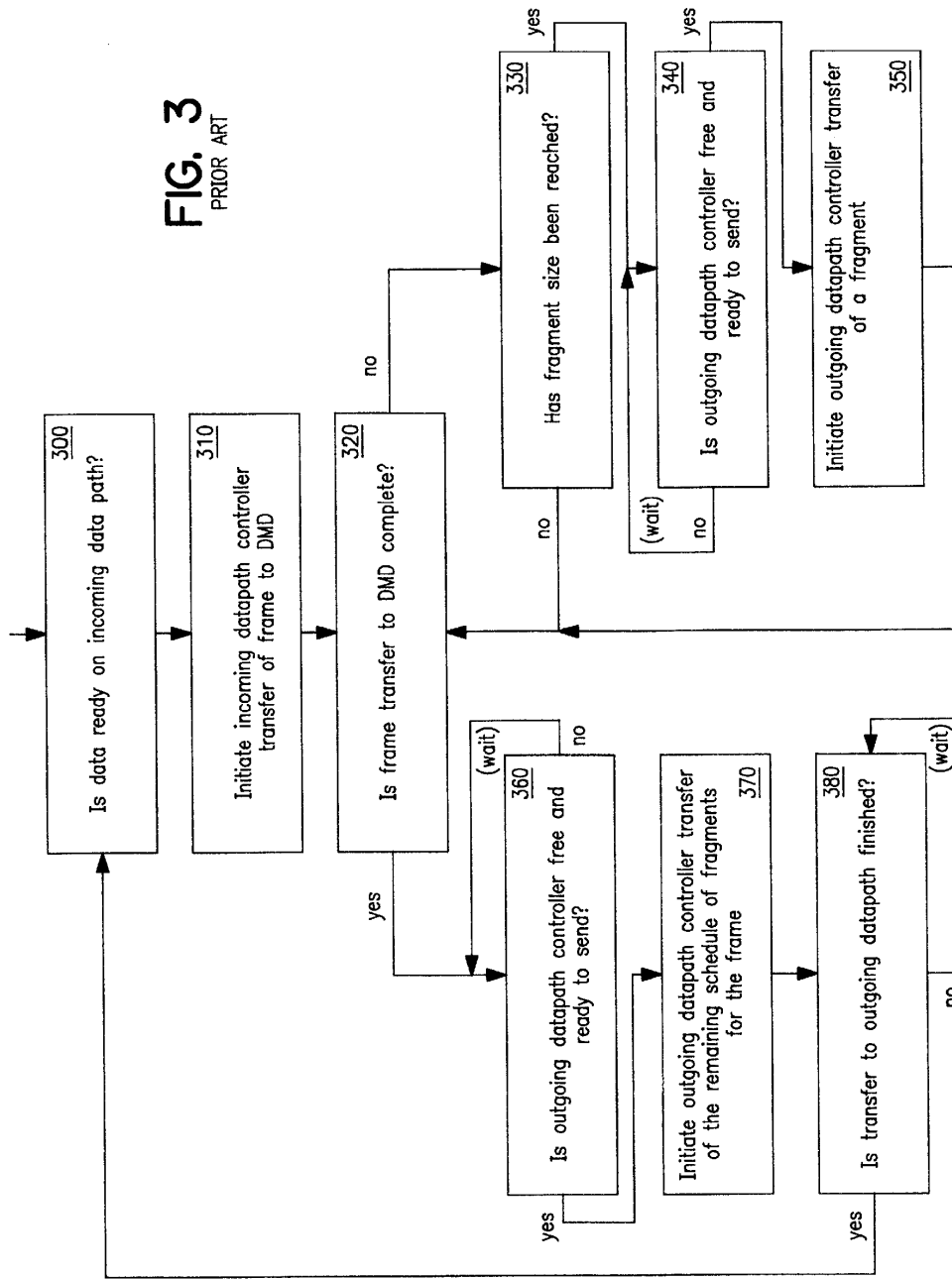
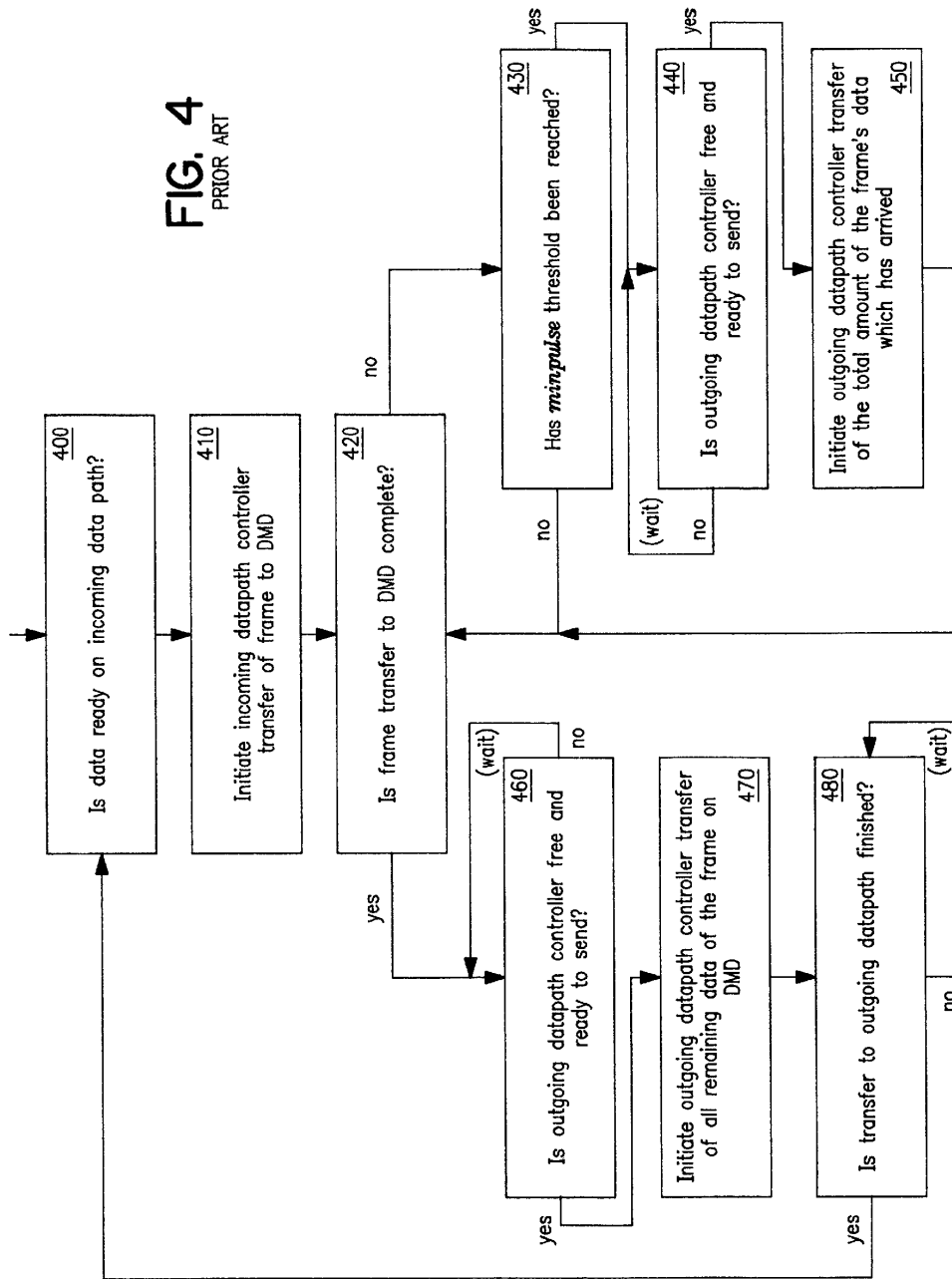


FIG. 4  
PRIOR ART



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