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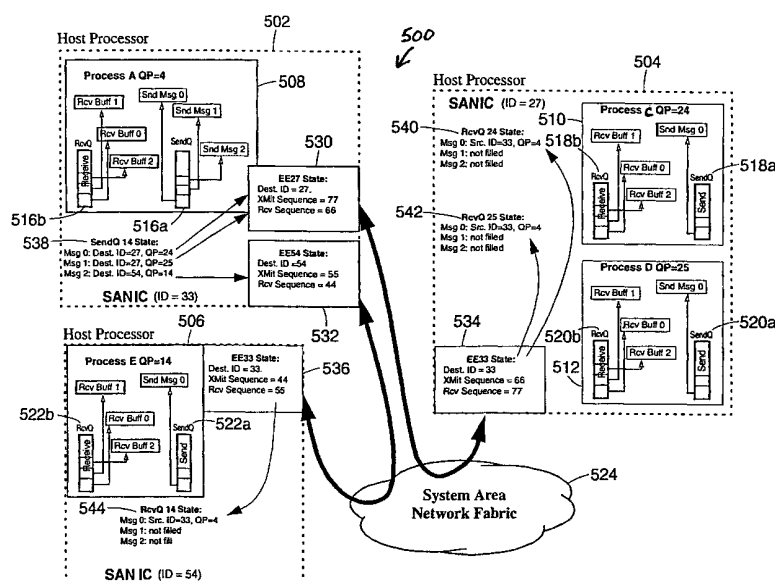
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[Continued on next page]

(54) Title: RELIABLE DATAGRAM TRANSPORT SERVICE



(57) Abstract: A distributed computer system (500) includes a source endnode (502) including a source process (508) which produces message data and a send work queue (516a) having work queue elements that describe the message data for sending. A destination endnode (504) includes a destination process (510, 512) and a receive work queue (518b, 520b) having work queue elements that describe where to place incoming message data. A communication fabric (524) provides communication between the source endnode and the destination endnode. An end-to-end context (530, 534) is provided at the source endnode and the destination endnode storing state information to ensure the reception and sequencing of message data sent from the source endnode to the destination endnode permitting reliable datagram service between the source endnode and the destination endnode.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPAT; USOCR; EPO; JPO; Derwent; IBM TDB

search terms: process, queue, buffer, cache, source, end, destination, context, message, datagram

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 5,999,964 A (MURAKATA et al) 07 December 1999, Summary of the Invention	1
A,P	US 5,916,307 A (PISKIEL et al) 29 June 1999, Solution	1
A,P	US 6,088,736 A (MANNING et al) 11 July 2000, Summary of the Invention	1
A,P	US 6,070,219 A (MCALPINE et al) 30 May 2000, Abstract	1

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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O document referring to an oral disclosure, use, exhibition or other means	
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