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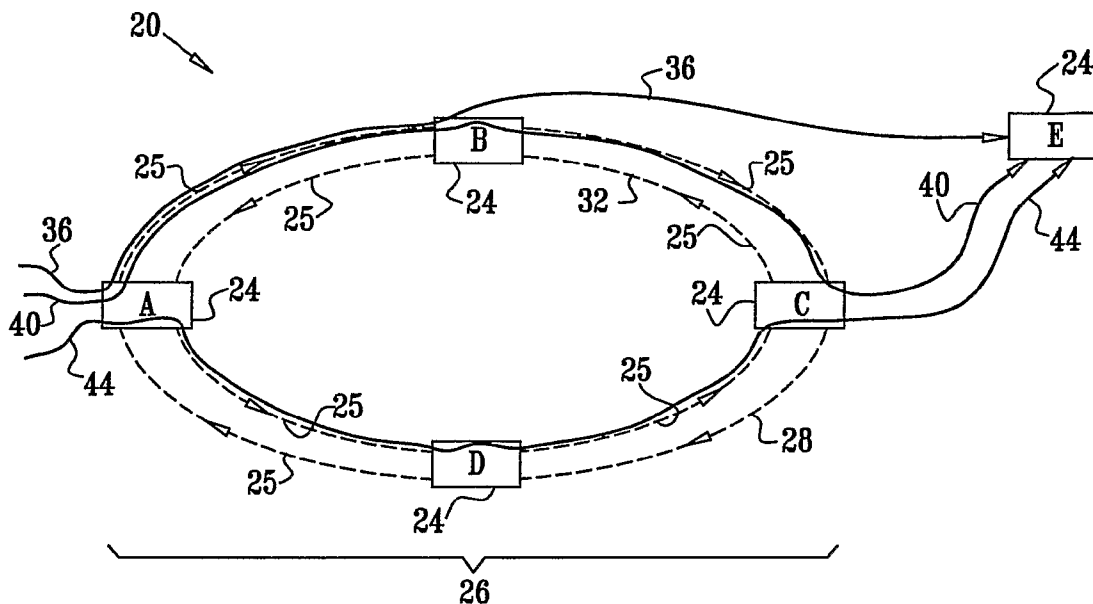
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(54) Title: ROUTE SELECTION WITH BANDWIDTH SHARING OPTIMIZATION OVER RINGS



(57) Abstract: A method for establishing a connection through a communication network (20) that includes multiple segments (25) includes providing a sharing definition defining a sharing of bandwidth among connections in the network. Two or more candidate routes (40, 44, 52, 56) for a new connection to be established through the network are identified. For each of the two or more candidate routes, a cumulative additional bandwidth reservation to be allocated to the new connection in the segments along the candidate route is calculated responsively to the sharing definition. A preferred route having a minimum value of the cumulative additional bandwidth reservation is selected out of the two or more candidate routes. The new connection is established using the preferred route.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04L 12/26(2006.01)

USPC: 370/230,238,404,328,338,395.5

According to International Patent Classification (IPC) or to both national classification and IPC

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 20030076829 (Rabie) 24 April 2003 page. 3, para. 38	1,3,4,6
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Y	US 20040196787 (Wang et al) 7 October 2004 page 2, para. 30	1,3,4,6
Y	US 6795394 (Swinkels) 21 September 2004 column 1, page 26	2,5,7,9,12,16,18

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

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"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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