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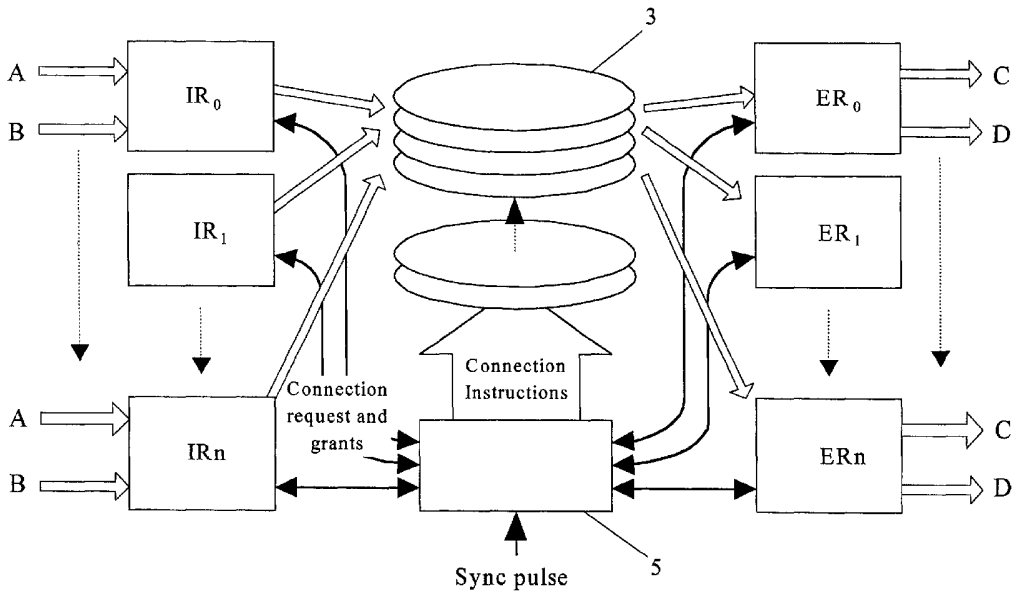
(54) Title: A DATA SWITCH AND A METHOD FOR CONTROLLING THE DATA SWITCH



(57) Abstract: ABSTRACT A data switch is proposed of the type having virtual queue ingress routers interconnected with egress routers by way of a memoryless switching matrix controlled by a control unit which performs an arbitration process to schedule connections across the switch. This scheduling is performed to ensure that data cells which arrive at the ingress routers at unpredictable times are transmitted to the correct egress routers. Each ingress router further includes a queue for time division multiplex traffic, and at times when such traffic exists, the control unit overrides the arbitration process to allow the time division multiplex to be transmitted through the switch.

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INTERNATIONAL SEARCH REPORT

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PCT/GB 01/05785

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/64 H04L12/56

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)
IPC 7 H04L

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 practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 312 628 A (IBM) 26 April 1989 (1989-04-26) column 2, line 51 - line 54 column 6, line 42 - line 54 column 10, line 36 -column 11, line 21	1-3,7-9
A	WO 00 38375 A (JOHNSON IAN DAVID ;HOWARTH PAUL (GB); POWER X LIMITED (GB); COLLIN) 29 June 2000 (2000-06-29) figure 4	1-12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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