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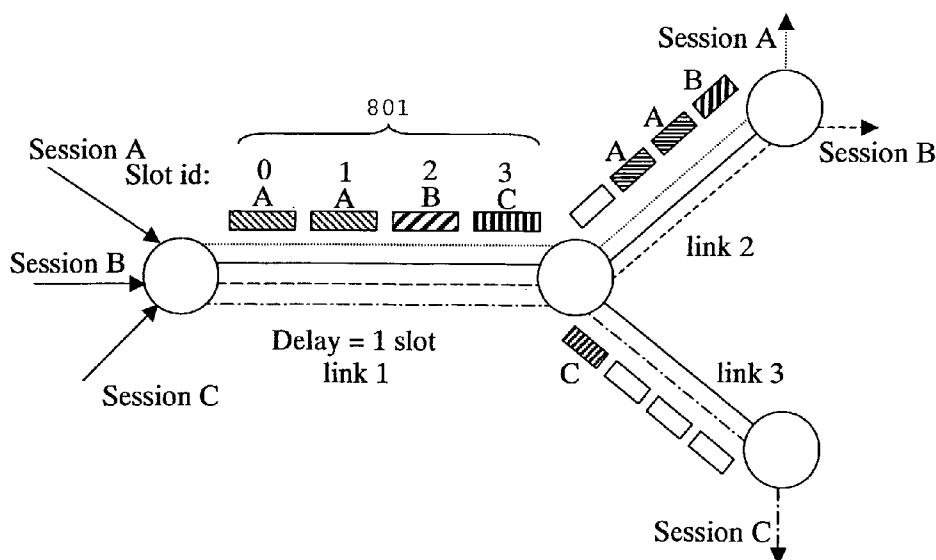
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(54) Title: A CONTROL DEVICE AND A METHOD FOR CONTROLLING AN OPTICAL DATA TRANSMISSION, AND A SHARED STORAGE NETWORK SYSTEM



(57) Abstract: A control device for controlling the optical data transmission in an optical burst switching mode between a source computer and a destination computer, the control device being connected to the source computer and to the destination computer and being adapted such that in case of a burst to be transmitted from the source computer to the destination computer, the length of the burst is determined based on a parameter indicating an available buffer size of the destination computer, and a predetermined timeout value parameter indicating a time after which improper burst transmission is assumed to have been occurred. After the burst length is determined and the traffic starts to be accumulated, a proposed burst reservation and transmission scheme, namely random burst eligibility time method, is used to deliver the burst.

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