

CONTROL ARCHITECTURE IN OPTICAL
BURST-SWITCHED NETWORKS

ABSTRACT OF THE DISCLOSURE

5 A control architecture for an optical burst-switched network includes an electronic ingress edge router, a switch control unit at each hop, and an electronic egress edge router. The electronic ingress edge router assembles multiple data packets into a
10 burst. The switch control units at each hop configure the optical switching matrix to switch the burst through the optical burst-switched network. Finally, the electronic egress edge router receives the burst from the optical burst-switched network and
15 disassembles the burst into multiple data packets.

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