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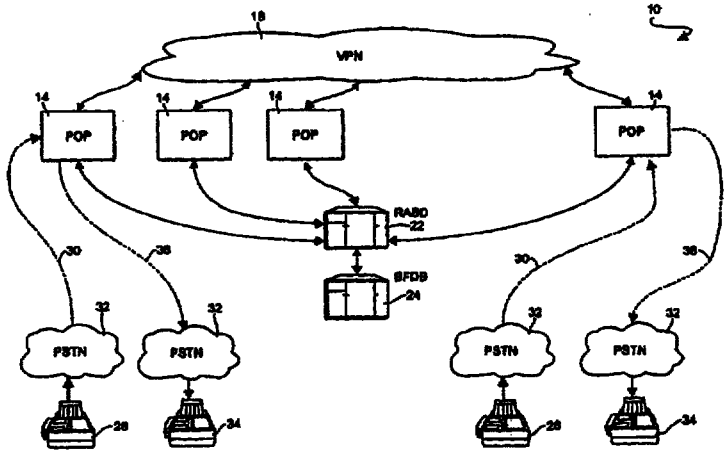
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(54) Title: DATA TRANSMISSION SYSTEM AND PROCESS FOR TRANSMITTING FACSIMILES



(57) Abstract

The present invention provides a process and system for transmitting long distance facsimiles which provides a subscriber with a lowered cost facsimile transmission, comprising: a plurality of points of presence; a virtual private network; a routing and authorization processing means; and a billing and financial processing means; wherein a plurality of sending facsimile machines and a plurality of receiving facsimile machines are connectable to any of the plurality of points of presence and wherein the user transmits a facsimile with a signaling means via the sending facsimile machine to the point of presence; the point of presence interpreting data in the signaling means and passing the data to the routing and authorization processing means; the routing and authorization database authorizing and routing the facsimile and passing billing data to the billing and financial processing means and wherein upon receiving routing and authorization, the point of presence routes the facsimile via the virtual private network to the destination facsimile machine.