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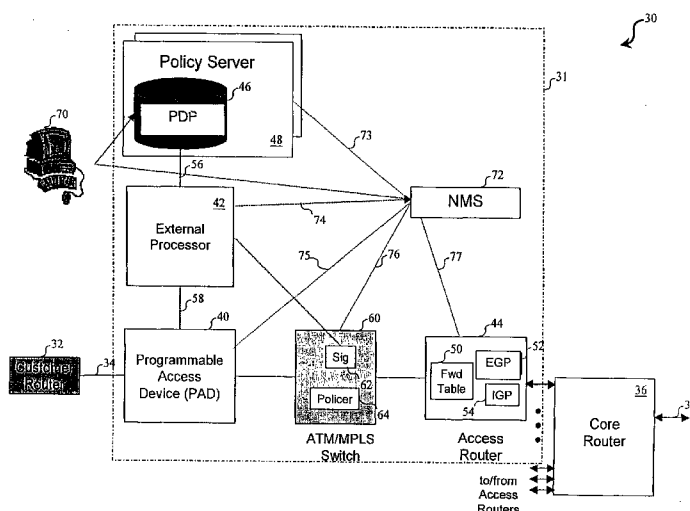
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(54) Title: NETWORK ACCESS SYSTEM INCLUDING A PROGRAMMABLE ACCESS DEVICE HAVING DISTRIBUTED SERVICE CONTROL



(57) Abstract: A distributed network access system (30) in accordance with the present invention includes at least an external processor (42) and a programmable access device (40). The programmable access device has a message interface coupled to the external processor and first and second network interfaces through which packets are communicated with a network. The programmable access device includes a packet header filter and a forwarding table (50) that is utilized to route packets communicated between the first and second network interfaces. In response to receipt of a series of packets, the packet header filter in the programmable access device identifies messages in the series of messages upon which policy-based services are to be implemented and passes identified messages via the message interface to the external processor for processing. In response to receipt of a message, the external processor invokes service control on the message and may also invoke policy control (48) on the message.



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