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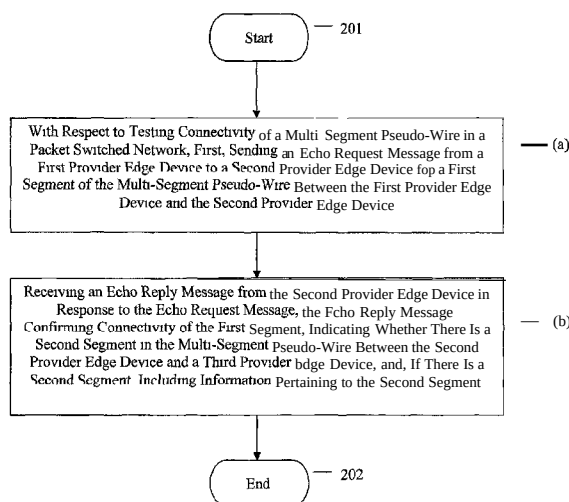
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(54) Title: A METHOD AND SYSTEM FOR VERIFYING CONNECTIVITY OF MULTI- SEGMENT PSEUDO-WIRES BY TRACING



(57) Abstract: A method for testing connectivity of a multi-segment pseudo-wire in a packet switched network, the method comprising: (a) sending an echo request message from a first provider edge device to a second provider edge device for a first segment of the multi-segment pseudo-wire between the first provider edge device and the second provider edge device; and, (b) receiving an echo reply message from the second provider edge device in response to the echo request message, the echo reply message: confirming connectivity of the first segment; indicating whether there is a second segment in the multi-segment pseudo-wire between the second provider edge device and a third provider edge device; and, if there is a second segment, including information pertaining to the second segment. Preferably, the packet switched network is a multiprotocol label switching, MPLS, network. Preferably, the information pertaining to the first and second segments' includes a type- length- value, TLV, for a pseudo-wire forwarding equivalence class, FEC.

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