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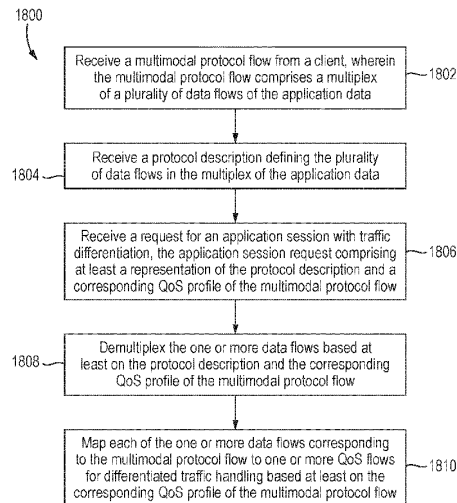


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- (71) Applicant: **LENOVO (SINGAPORE) PTE. LTD.**
[SG/SG]; 151, Lorong Chuan #02-01, New Tech Park, Singapore 556741 (SG).
- (72) Inventors: **STOICA, Razvan-Andrei**; Albrechtstr. 17, 45130 Essen (DE). **KARAMPATIS, Dimitrios**; 9 Lawn Close, Ruislip Middlesex HA4 6ED (GB).
- (74) Agent: **OPENSHAW & CO.**; 8 Castle Street, Farnham Surrey GU9 7HR (GB).
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(54) Title: DIFFERENTIATION AND OPTIMIZED QOS TREATMENT WHEN DEMULTIPLEXING MULTIMODAL IP FLOWS

Fig. 18



(57) Abstract: Various aspects of the present disclosure relate to a server for multimodal network traffic differentiation of application data, the server comprising: at least one memory; and at least one processor coupled with the at least one memory and configured to cause the server to: receive a multimodal protocol flow from a client, wherein the multimodal protocol flow comprises a multiplex of a plurality of data flows of the application data; receive a protocol description defining the plurality of data flows in the multiplex of the application data; receive a request for an application session with traffic differentiation, the application session request comprising at least a representation of the protocol description and a corresponding QoS profile of the multimodal protocol flow; demultiplex the one or more data flows based at least on the protocol description and the corresponding QoS profile of the multimodal protocol flow; and map each of the one or more data flows corresponding to the multimodal protocol flow to one or more QoS flows for differentiated

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traffic handling based at least on the corresponding QoS profile of the multimodal protocol flow.