U.S. Patent No. 9,667,669 Claim Listing

No.	Limitation
1[p]	A method for managing associated sessions in a network, the network having a network element configured for managing associated sessions between the network and at least one user equipment, the method comprising:
1[a]	providing a composition session identifier for associating sessions in the network;
1[b]	after providing the composition session identifier, exchanging the composition session identifier between a user equipment and the network element a first time;
1[c]	associating two or more sessions with the composition session identifier by exchanging the composition session identifier at least a second time, wherein exchanging the composition session identifier at least a second time comprises the network element exchanging the composition session identifier with the user equipment;
1[d]	initiating establishment of a composition session, the composition session being a signaling session for facilitating management of the two or more sessions and exchanging the composition session identifier between the user equipment and the network element as part of said establishment, the composition session being different from the two or more sessions; and
1[e]	modifying the composition session, wherein modifying the composition session comprises using signaling in the composition session to terminate all of the two or more sessions.
2[p]	The method according to claim 1, wherein providing the composition identifier comprises:
2[a]	the user equipment generating the composition session identifier; and
2[b]	sending a request for initiating the composition session from the user equipment to the network element, the request comprising the composition session identifier.
3	The method according to claim 2, wherein the request for initiating the composition session further comprises one or more session identifiers and, optionally, resource reservation information and/or resource allocation information associated with the one or more sessions identified by the session identifiers.
6	The method according to claim 1, wherein the method further comprises: the user equipment initiating the two or more associated sessions by sending two or more session initiation requests for a session to the network element, each request comprising the composition session identifier.
8	The method according to claim 1, wherein the method further comprises: the network element initiating the two or more associated sessions by sending two or more requests for a session to the user equipment, each request comprising the composition session identifier.

10	The method according to claim 1, wherein combined streams of the two or more associated sessions are presented to the user equipment as a personalized composed multimedia stream.
11	The method according to claim 1, wherein the network further comprises storage, the method further comprising: the network element storing the composition session identifier and two or more associated session identifiers in the storage.
12	The method according to claim 1, the method further comprising: modifying the composition session by at least one of (i) modifying at least one of the two or more sessions in the composition session, or (ii) transferring at least one of the two or more sessions from the composition session to a further composition session or outside the composition session.
21[p]	A method for managing associated sessions in a network, the network having a network element configured for managing associated sessions between the network and at least one user equipment, the method comprising:
21[a]	providing a composition session identifier for associating sessions in the network;
21[b]	after providing the composition session identifier, exchanging the composition session identifier between a user equipment and the network element a first time;
21[c]	associating two or more sessions with the composition session identifier by exchanging the composition session identifier at least a second time, wherein exchanging the composition session identifier at least a second time comprises the network element exchanging the composition session identifier with the user equipment;
21[d]	initiating establishment of a composition session, the composition session being a signaling session for facilitating management of the two or more sessions and exchanging the composition session identifier between the user equipment and the network element as part of said establishment, the composition session being different from the two or more sessions; and
21[e]	modifying, using signaling in the composition session, all of the two or more sessions.
22	The method according to claim 21, wherein modifying, using the composition session, comprises modifying at least one of the two or more sessions based on a determined change in bandwidth availability.
24	The method according to claim 21, wherein modifying, using the signaling in the composition session, comprises signaling in the composition session a duration for all of the two or more sessions.
25	The method according to claim 21, wherein modifying, using the signaling in the composition session, comprises signaling in the composition session a bandwidth requirement for all of the two or more sessions.