

CLAIMS

1. A service centralization and continuity application server (SCC AS) for initiation of Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from the reporting function; and

a transmitter configured to transmit an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

2. The SCC AS of claim 1 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

3. The SCC AS of claim 1 wherein the transmitter is further configured to transmit a collaborative session control transfer request to the second WTRU to transfer collaborative session control to the second WTRU.

4. A service centralization and continuity application server (SCC AS) for initiation of access transfer (AT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate AT of the IMS media session from the first WTRU to a second WTRU based on the received information from the reporting function; and

a transmitter configured to transmit an AT request to the second WTRU to initiate AT of the IMS media session to the second WTRU.

5. The SCC AS of claim 4 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

6. The SCC AS of claim 4 wherein the transmitter is further configured to transmit a collaborative session control transfer request to the second WTRU to transfer collaborative session control to the second WTRU.

7. A method for Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising;

receiving information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

determining to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from a reporting function including; and

transmitting an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

8. The method of claim 7 wherein the information received from the

reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

9. The method of claim 7, further comprising:

transmitting a collaborative session control transfer request to the second WTRU to transfer collaborative session control to the second WTRU.

10. A method for access transfer (AT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising:

receiving information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

determining to initiate AT of the IMS media session from the first WTRU to a second WTRU based on the received information from the reporting function; and

transmitting an AT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

11. The method of claim 10 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

12. A service centralization and continuity application server (SCC AS) for initiation of Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a policy function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from the policy function; and

a transmitter configured to transmit an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

13. The SCC AS of claim 12 wherein the information received from the policy function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

14. A method for Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising;

receiving information from a policy function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

determining to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from a policy function including; and

transmitting an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

15. The method of claim 14 wherein the information received from the policy function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

CLAIMS

1. A service centralization and continuity application server (SCC AS) for initiation of Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from the reporting function; and

a transmitter configured to transmit an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

2. The SCC AS of claim 1 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

3. The SCC AS of claim 1 wherein the transmitter is further configured to transmit a collaborative session control transfer request to the second WTRU to transfer collaborative session control to the second WTRU.

4. A service centralization and continuity application server (SCC AS) for initiation of access transfer (AT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate AT of the IMS media session from the first WTRU on a first network to the first WTRU on a second network based on the received information from the reporting function; and

a transmitter configured to transmit an AT request to the first WTRU on the second network to initiate AT of the IMS media session.

5. The SCC AS of claim 4 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

6. The SCC AS of claim 4 wherein the transmitter is further configured to transmit a collaborative session control transfer request to the first WTRU on the second network to transfer collaborative session control to the first WTRU on the second network.

7. A method for Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising;

receiving information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMScapable;

determining to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from a reporting function including; and

transmitting an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

8. The method of claim 7 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

9. The method of claim 7, further comprising:

transmitting a collaborative session control transfer request to the second WTRU to transfer collaborative session control to the second WTRU.

10. A method for access transfer (AT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising;

receiving information from a reporting function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

determining to initiate AT of the IMS media session from the first WTRU on a first network to the first WTRU on a second network based on the received information from the reporting function; and

transmitting an AT request to the first WTRU on the second network to initiate AT of the IMS media session.

11. The method of claim 10 wherein the information received from the reporting function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

12. A service centralization and continuity application server (SCC AS) for initiation of Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session, the SCC AS comprising:

a receiver configured to receive information from a policy function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

a processor configured to determine to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from the policy function; and

a transmitter configured to transmit an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

13. The SCC AS of claim 12 wherein the information received from the policy function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.

14. A method for Inter-User Equipment Transfer (IUT) of an IP Multimedia (IM) Subsystem (IMS) media session initiated by a service centralization and continuity application server (SCC AS), the method comprising;

receiving information from a policy function including availability information, capability information or preference information of a first wireless transmit/receive unit (WTRU), wherein the first WTRU is IMS-capable;

determining to initiate IUT of the IMS media session from the first WTRU to a second WTRU based on the received information from a policy function including; and

transmitting an IUT request to the second WTRU to initiate IUT of the IMS media session to the second WTRU.

15. The method of claim 14 wherein the information received from the policy function includes a network overload event, a network location change event, a loss of access by a network event, a WTRU location change event, a loss of access by a WTRU, an imminent loss of access by a WTRU, registration of another WTRU, and a load balancing event.