

SYSTEM AND METHOD FOR MANAGING CALL ROUTING IN A NETWORK ENVIRONMENT INCLUDING IMS

ABSTRACT OF THE DISCLOSURE

In one embodiment, a scheme is disclosed for managing call routing in a network environment (100) including a circuit-switched (CS) network and an IP multimedia subsystem (IMS) network (112). When a call is originated by a user equipment (UE) device (302) in the CS network, call information associated with the call is provided to a call continuity control function (CCCF) network node (308) disposed in the IMS network (112). At the CCCF node (308), a pool of E.164 numbers are maintained as IP multimedia routing numbers (IMRNs) which are mapped to or otherwise associated with called party numbers. The CCCF node (308) dynamically allocates a select IMRN with respect to a called party number received from the UE device (302) and returns it to the UE device (302). The dynamically allocated IMRN is then utilized for routing the call towards the called party.

Figure 1