

ABSTRACT

A system for controlling traffic of an inbound roaming mobile station between a first Visiting Public Mobile Network (VPMN), a second VPMN and a Home Public Mobile Network (HPMN) is provided. The system includes a detection unit for detecting a possible change in registration of the inbound roaming mobile station at a second VPMN upon receipt of a first registration cancellation message of one or more registration cancellation messages at the first VPMN from the HPMN. The system further includes redirection unit for attempting to redirect the traffic of the inbound roaming mobile station back to the first VPMN by sending one or more registration messages from the first VPMN to the HPMN subsequent to receipt of one or more registration cancellation messages from the HPMN. For each registration cancellation message received, one or more registration messages are sent within a first pre-defined interval of time (T0) until one registration message is recorded as a successful transaction. Further for all registration cancellation messages received in current attempt to redirect the inbound roaming mobile station to the first VPMN, all the registration messages are sent either within a second pre-defined interval of time (T1) and/or a re-registration threshold number of times.