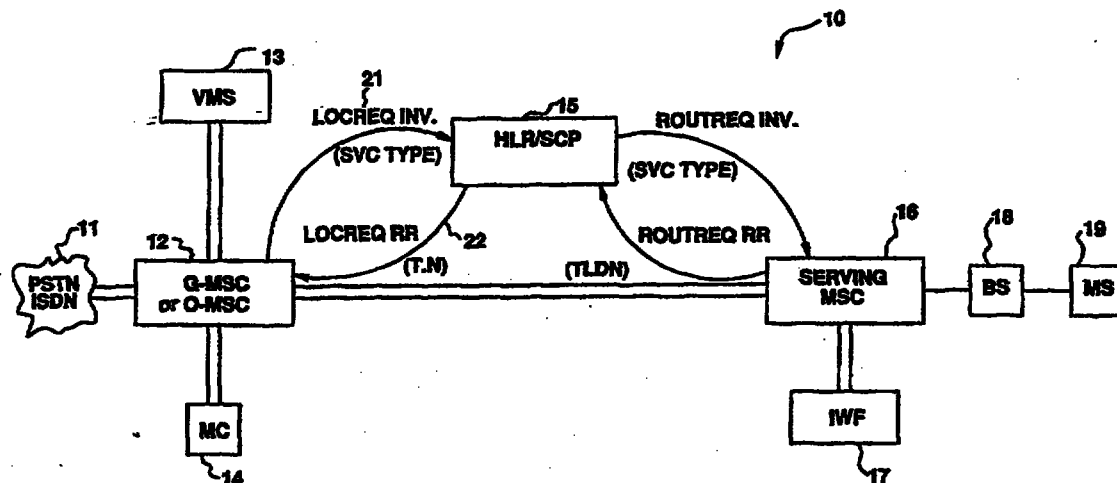




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(71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE).			
(72) Inventors: JOONG, Donald ; 9147 25th Avenue, Montreal, Quebec H3P 1R1 (CA). SICHER, Alan ; 449 Mount Pleasant Avenue, Westmount, Quebec H3Y 3G9 (CA). HOUDE, Michel ; 1570 Filion, St.-Laurent, Quebec H4L 4E8 (CA).			
(74) Agent: TELEFONAKTIEBOLAGET LM ERICSSON ; Patent & Trademark Dept., S-126 25 Stockholm (SE).		Published Without international search report and to be republished upon receipt of that report.	

(54) Title: **SYSTEM AND METHOD OF FORWARDING DATA CALLS IN A RADIO TELECOMMUNICATIONS NETWORK**

(57) Abstract

In a radio telecommunications network (10), a system and method of providing service differentiation for call forwarding based upon the type of call. The system provides network support that allows the forwarding of calls of different types to appropriate devices for each type of call, as identified by the call's service code. The system determines whether a call to a mobile station (19) is a data call, and if it is a data call, provides the network support for forwarding the call to a different number than voice calls. A Service Type parameter (23) is added to ANSI-41 signaling messages to inform various nodes in the network of the type of call. The network includes a home location register/service control point (HLR/SCP) (15) with a database of call forwarding (transfer) numbers for its served mobile stations. The database records at least one transfer number for each type of service. Service logic in the HLR/SCP (15) associates the type of call with the appropriate transfer number. In this manner, incoming data calls such as G3 Fax calls are forwarded to an alternate fax machine, a fax mailbox, or some other device (14) capable of storing the data rather than a voice mailbox (13). The system and method are applicable to forwarding any type of data service, and are not limited to ADS and G3 Fax calls.