

ABSTRACT

**LOG-IN METHOD FOR A TELECOMMUNICATION NETWORK, MAIN
STATION AND TERMINAL STATION ADAPTED TO PERFORM THE METHOD.**

The main station (MS) and possibly also the terminal stations (T1, T2, T3) of a telecommunication network is/are provided with memories wherein historical information (TT1, TT2, TT3, TT4, CT1, CT2, CT3), i.e. information with respect to log-in attempts of terminal stations (T1, T2, T3) in the past, is stored. This historical information is frequently updated and is used during a polled log-in method wherein terminals (T1, T2, T3) are polled either individually or in groups, executed for instance after a network crash or power-down, to limit the number of terminals that has to be polled by the main station (MS) so as to speed up the polled log-in procedure. The performance of the log-in of each single terminal further increases significantly if this terminal is located at a substantially fixed location in the network and if power- and delay information for transmitting upstream identification messages during log-in are also contained by the historical information.

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