

Summary of the invention

Cordless Telephone System

The base station of cordless telephone systems with more than one mobile units is often connected to a single analog telephone line. Upon reception of an incoming telephone call, all mobile units ring simultaneously. However, users often feel disturbed by telephone calls that are addressed to other persons.

According to the invention, the base station (BS) comprises detection means for detecting a called party identification signal that arrives via the analog telephone line (ATL) after a wake-up signal has been received. The base station further comprises processing means for determining to which mobile units (MU1...MUn) alert signals (ALS) are to be transmitted, this determination being dependent on the received called party identification signal.

As a result, the base station, although being connected to only one analog telephone line, functions as a small router that routes incoming calls selectively to mobile units.

(Fig. 1)