

AN APPARATUS AND METHOD OF CONFIGURING A CORDLESS TELEPHONE FOR OPERATING IN A FREQUENCY HOPPING SYSTEM

Abstract

A cordless telephone arranged for operation in a frequency hopping system

5 includes multiple portable units configured for operation with a base unit and with each other by having the base unit pseudo randomly select from a plurality of communication channels available in the frequency hopping system a different starting channel for each one of the portable units. Each portable unit then provides initial communications with the base unit over the selected starting channel of the portable unit. For maintaining communications

10 during a frequency hopping cycle between a portable unit and the base unit, the portable unit and base unit both generate a set of communication channels from the starting channel assigned to the portable unit for subsequent use in communicating over the radio frequency link. Each of the portable units is configured for operation with the base unit and with each other during a registration procedure. Information indicative of the starting channel for each

15 portable unit and also a security code is transmitted to each of the portable units from the base unit during this registration procedure and on a predetermined communication channel at a radiated energy level well below the level normally used for normal communications.

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