RECEIVER HAVING CONCEALED EXTERNAL ANTENNA

Abstract of the Disclosure

A radiotelephone/pager unit (100) includes a housing enclosing (102, 104) radiotelephone circuitry (224) coupled to a radiotelephone antenna (108) operable at radiotelephone frequencies and pager circuitry (218) coupled to a pager antenna (212) operable at pager frequencies. The radiotelephone antenna (108) is located outside the housing (102, 104) in a conventional manner. The pager antenna (212) is located outside the housing (102, 104) and concealed under or integrally formed with a hand grip (122), a display lens (402), an escutcheon (502), a keypad (110), or a cap (601) such that the pager antenna's presence is unnoticeable to a user. The pager antenna (212) forms a loop antenna substantially surrounding a user interface element such as a display (112), a keypad (110), an earpiece (114) or volume control buttons (118, 120) to minimize space.

FIG. 2 accompanies this abstract.