

Claims

Amended
THROUGHOUT

5

1. A radio telephone comprising:

radio transceiver circuitry (142, 172) including processor
circuitry and a transceiver read-write memory (202) storing first model
feature information which controls the operating features of the radio
telephone;

10

a transceiver housing the processor circuitry and the
transceiver read-write memory (202), the transceiver housing including a
slot and a memory element-receiving assembly (238) including a
receiving platform (256) positioned adjacent the slot to define a support
position therealong, and electrodes supported proximate thereto, the
electrodes being coupled to the processor circuitry for communicating
with the transceiver read-write memory under the control of the
processor;

15

a portable memory element (244) of dimensions permitting
removable positioning in the slot at the support position along the
receiving platform (256) of the memory element-receiving assembly
(238), the portable memory element having a nonvolatile memory
storing second model feature information and electrical contacts (268)
coupled thereto corresponding to the electrodes to permit coupling of the
portable memory element memory with the transceiver read-write
memory; and

20

25

an algorithm embodied in the processor circuitry of the
radio transceiver and operative, when executed, to transfer the model
feature information stored in the portable memory element (244) into
the transceiver read-write memory for modifying the transceiver circuitry
memory, thereby upgrading the transceiver circuitry to include the
second model features.

30

35

2. The radio telephone of claim 1 wherein the electrodes are

connected to the processor circuitry (184) and the processor circuitry is
connected to the transceiver read-write memory (202) to couple the

Amended

electrodes to the transceiver read-write memory by way of the processor circuitry.

5

3. The radio telephone of claim 1 wherein the portable memory element (244) is disposed upon a card member of dimensions permitting sliding translation of the card member along the receiving platform (256) to position the portable memory element at the support
10 position.

Amended
4. The radio telephone of claim 1 further comprising an actuator (226) on the housing and coupled to the processor circuitry (184) for controlling the transceiver to initiate execution of the algorithm
15 embodied in the processor circuitry.

Amended
5. The radio telephone of claim 4 wherein said algorithm includes security process to determine whether the portable memory element (244) has certain security parameters which permit
20 modification of the radio telephone characteristics .

Amended
6. The radio telephone of claim 5 wherein said algorithm embodied in the processor circuitry (184) is alternately operative, when executed, to copy user identification information and
25 model feature information stored in the transceiver read-write memory to the read-write memory (244) comprised in the portable memory element(244).

7. The radio telephone of claim 6 further comprising
30 actuation means (226) for initiating execution alternately of the algorithm (800-830) embodied in the processor circuitry (184) for copying user information stored in the portable memory element (244) to the transceiver read-write memory (202) or for initiating execution of the algorithm embodied in the processor circuitry (184) for copying

model feature information stored in the portable memory element (244) to the transceiver read-write memory (202).

5

8. The radio telephone of claim 7 further comprising a telephonic keypad, wherein said actuation means (226) comprises keypad actuation switches (226) of the telephonic keypad of radio transceiver (100).

10

9. The radio telephone of claim 8 wherein said algorithm (800-830) embodied in the processor circuitry (184) is operative alternately to copy both the second model feature information and second user information stored in the portable memory element (244) into the transceiver read-write memory (202), or to copy both the first model information (202) and first user information stored in the transceiver read-write memory into the portable memory element (244).

15

10. The radio telephone of claim 1 wherein said algorithm (800-830) embodied in the processor circuitry (184) is operative to copy both the model information and the user information stored in the portable memory element (244) into the transceiver read-write memory (202).

20

11. A method of altering the model features of a radiotelephone using a portable memory element, the radiotelephone including radio transceiver circuitry and processor circuitry, the portable memory element including read-write memory, the method comprising the steps of:

25

coupling the portable memory element to a first memory to receive in the portable memory element read-write memory model feature information from the first memory ;

30

disconnecting the portable memory element from the first memory and connecting the portable memory element to a transceiver

NEW
CLA/mg

read-write memory, the transceiver read-write memory associated with the radio transceiver circuitry (142, 172)

5 operating an algorithm embodied in the processor circuitry of the radio transceiver, the algorithm operative, when executed, to transfer the model feature information stored in the portable memory element (244) into the transceiver read-write memory for modifying the transceiver circuitry memory, thereby upgrading the transceiver circuitry
10 to include the second model features.

12. The method of claim 11 further comprising the step of automatically actuating the processor circuitry (184) to initiate execution of the algorithm embodied in the processor circuitry.

15
13. The method of claim 11 wherein said algorithm embodied in the processor circuitry (184) is alternately operative, when executed, to copy user identification information and model feature information stored in the transceiver read-write memory to the read-
20 write memory (244) comprised in the portable memory element (244) for transfer to another device.

14. The method of claim 12, wherein the step of automatically actuating alternately initiates copying user information
25 stored in the portable memory element (244) to the transceiver read-write memory (202) or execution of the algorithm embodied in the processor circuitry (184) for copying model feature information stored in the portable memory element (244) to the transceiver read-write memory (202).

NEW
CLAIMS

5

Abstract of the Disclosure

10 An information transfer system (120), and associated method
(700), for transferring information between a radio transceiver read-
write memory (202) and a portable memory element (244) insertable
into a card reader assembly (238) of the radiotelephone (100). An
15 algorithm (800-830) executable by the processor circuitry (184) of the
radiotelephone (100) effectuates copying of information stored in the
portable memory element (244) to the transceiver read-write memory
(202), or, alternately, copying of the information stored in the
transceiver read-write memory (202) to the portable memory element
(244).

FIG. 1 accompanies this abstract.