

# **EXHIBIT 7**



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APPLICANTS: Paulick, Thomas E.

EXAMINER: Pham, C.

SERIAL NO.: 08/459,376

GROUP: 2611

FILED: June 2, 1995

CASE NO.: CE00802RW01

ENTITLED: Receiver Having Concealed External Antenna

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Motorola, Inc.  
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July 22, 1996

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**AMENDMENT AFTER FINAL and RESPONSE**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated 21 May 1996, the Applicant hereby submits the following amendment and response.

**In The Claims:**

- (Amended 8/26/94, 6/2/95, 2/28/96, Allowed 5/21/96) A combination radiotelephone/pager unit including a user interface, comprising:
  - a housing enclosing radiotelephone and pager circuitry;
  - a radiotelephone antenna coupled to the radiotelephone circuitry; and
  - a pager antenna coupled to the pager circuitry;
 wherein the pager antenna forms a loop surrounding at least a portion of the user interface and is disposed between an outside surface of the housing and the at least a portion of the user interface.

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2. (Amended 8/26/94, Allowed 5/21/96) A combination radiotelephone/pager unit according to claim 1 further comprising a shield for shielding at least one of the radiotelephone and pager circuitry.

3. (Amended 8/26/94, Allowed 5/21/96) A combination radiotelephone/pager unit according to claim 1 wherein the user interface further comprises at least one of the following: an acoustic, a visual and a tactile interface.

4. (Allowed 5/21/96) A combination radiotelephone/pager unit according to claim 3 wherein the acoustic, visual and tactile interface further comprises an electroacoustic transducer, a display and a switch, respectively.

5. Please cancel, without prejudice.

6. (Allowed 5/21/96) A combination radiotelephone/pager unit according to claim 1 wherein the pager antenna is integrally formed with at least a portion of the user interface.

7. (Amended 8/26/94, 6/2/95, 2/28/96, 7/22/96) A combination radiotelephone/pager unit comprising:

a main housing enclosing radiotelephone and pager circuitry, wherein the main housing includes a front housing coupled to a back housing;

a radiotelephone antenna coupled to the radiotelephone circuitry;

a pager antenna coupled to the pager circuitry and attached to an outside, nonconductive surface of the main housing; and

a substantially planar cover, attached to the outside, nonconductive surface of the main housing, for concealing the pager antenna between the cover and the outside surface of the main housing such that the antenna is unnoticeable to a user of the unit.

8. A combination radiotelephone/pager unit according to claim 7 wherein the cover further comprises at least one of the following: a hand grip, a keypad, a lens, an escutcheon, a keypad and a cap.

9. (Amended 8/26/94) A combination radiotelephone/pager unit according to claim 7 further comprising a shield for shielding at least one of the radiotelephone and pager circuitry.
10. (Amended 7/22/96) A combination radiotelephone/pager unit according to claim 7 wherein the pager antenna is disposed between the outside surface of the main housing and the cover.
11. A combination radiotelephone/pager unit according to claim 7 wherein the pager antenna is integrally formed with the cover.
12. A combination radiotelephone/pager unit according to claim 7 wherein the pager antenna further comprises a loop antenna.
13. A combination radiotelephone/pager unit according to claim 12 further comprises user interface substantially surrounded by the loop antenna.
14. A combination radiotelephone/pager unit according to claim 13 wherein the user interface further comprises at least one of the following: an acoustic, a visual and a tactile interface.
15. (Amended 8/26/94, 6/2/95, 2/28/96, Allowed 5/21/96) A receiver including a user interface comprising:
  - a housing;
  - receiver circuitry disposed in the housing; and
  - an antenna coupled to the receiver circuitry;wherein the antenna forms a loop surrounding at least a portion of the user interface and is disposed between an outside surface of the housing and the at least a portion of the user interface.
16. (Allowed 5/21/96) A receiver according to claim 15 wherein the user interface further comprises at least one of the following: an acoustic, a visual and a tactile interface.

17. (Amended 6/2/95, Allowed 5/21/96) A receiver according to claim 16 wherein the acoustic, visual and tactile interface further comprises an electroacoustic transducer, a display and a switch, respectively.
18. Canceled 8/26/94, without prejudice.
19. (Allowed 5/21/96) A receiver according to claim 15 wherein the antenna is integrally formed with at least a portion of the user interface.
20. (Amended 8/26/94, 6/2/95, 2/28/96, 7/22/96) A receiver comprising:
  - a main housing including a front housing coupled to a back housing;
  - receiver circuitry disposed in the main housing;
  - an antenna coupled to the receiver circuitry and attached to an outside, nonconductive surface of the main housing; and
  - a substantially planar cover, attached to the outside, nonconductive surface of the main housing, for concealing the antenna between the cover and the outside surface of the main housing such that the antenna is unnoticeable to a user of the receiver.
21. (Amended 6/2/95) A receiver according to claim 20 wherein the cover further comprises at least one of the following: a hand grip, a keypad, a lens, an escutcheon, a keypad and a cap.
22. (Amended 6/2/95, 7/22/96) A receiver according to claim 20 wherein the antenna is disposed between the outside surface of the main housing and the cover.
23. (Amended 6/2/95) A receiver according to claim 20 wherein the antenna is integrally formed with the cover.
24. (Amended 6/2/95) A receiver according to claim 20 wherein the antenna further comprises a loop antenna.
25. (Amended 8/26/94, 6/2/95) A receiver according to claim 24 further comprises a user interface substantially surrounded by the loop antenna.

26. (Amended 8/26/94, 6/2/95) A receiver according to claim 25 wherein the user interface further comprises at least one of the following: an acoustic, a visual and a tactile interface.

**REMARKS**

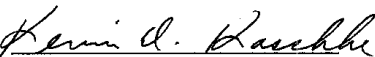
Claims 20-24 were rejected by Examiner under 35 U.S.C. § 102 (e) as being anticipated by Krenz et al. Claims 25 and 26 were rejected by Examiner under 35 U.S.C. § 103 as being unpatentable over Krenz et al in view of Stantos et al. Claims 7-12 are rejected under 35 U.S.C. § 103 as being unpatentable over Krenz et al in view of Metroka et al. Claims 13 and 14 are rejected under 35 U.S.C. § 103 as being unpatentable over Krenz et al in view of Metroka et al as applied to claim 12 above, and further in view of Stanton et al.

The Applicant has amended claims 7, 10, 20 and 22 to overcome the Examiner's rejection. Claims 7 and 20 claim "a main housing including a front housing coupled to a back housing." Krenz teaches a housing including a main body 101 and a hinge element 102. Therefore, the claimed main housing is analogous to the main body 101 of Krenz and does not include the hinge element 102 of Krenz.

Accordingly, the Applicant submits that the present invention is allowable over the prior art and reconsideration of allowance is hereby respectfully requested.

Respectfully submitted,

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