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Abts

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(54) **SYSTEM FOR CONTROLLING AND MONITORING AGRICULTURAL FIELD EQUIPMENT AND METHOD**

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(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 9 days.

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(51) **Int. Cl.**⁷ **H04Q 7/14**

(52) **U.S. Cl.** **455/31.1; 340/310.01; 454/256; 331/65**

(58) **Field of Search** **455/31.1, 256; 340/310.1; 331/65; 119/498**

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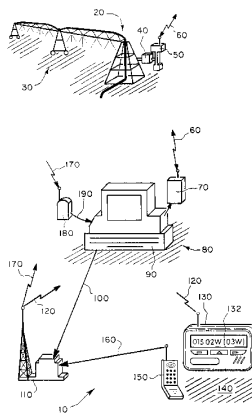
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(57) **ABSTRACT**

A pager system for monitoring the operation of a plurality of controllers in each one of a plurality of agricultural field equipment in a group. A plurality of sensors are provided at each location of agricultural field equipment wherein a sensor connects through an isolation device to one of the controllers for issuing a status signal corresponding to the present status of the connected controller. Whenever the status of a controller changes, the remote terminal unit immediately transmits the changed status symbol as well as the status of the other sensors to a central control computer. The central control computer analyzes the transmitted status signals for generating a changed status paging message and delivers the changed status paging message, identifying the agricultural field equipment having the changed status, as well as the unchanged status messages from all remaining agricultural field equipment in the group. The paging messages are delivered to a pager held by an operator at a remote location with the changed status paging message marked so that the operator can identify which piece of agricultural field equipment had its status changed.

19 Claims, 7 Drawing Sheets

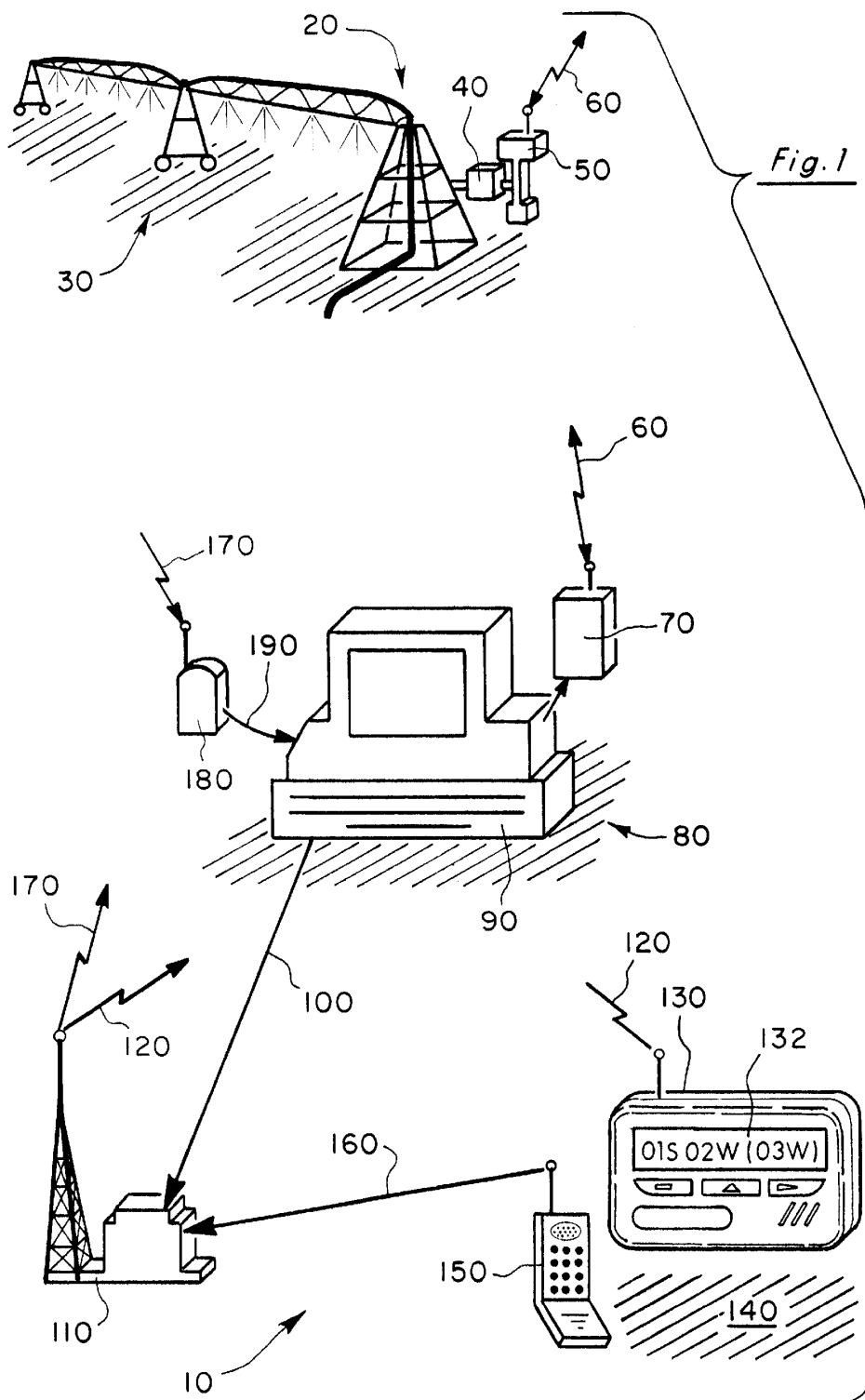


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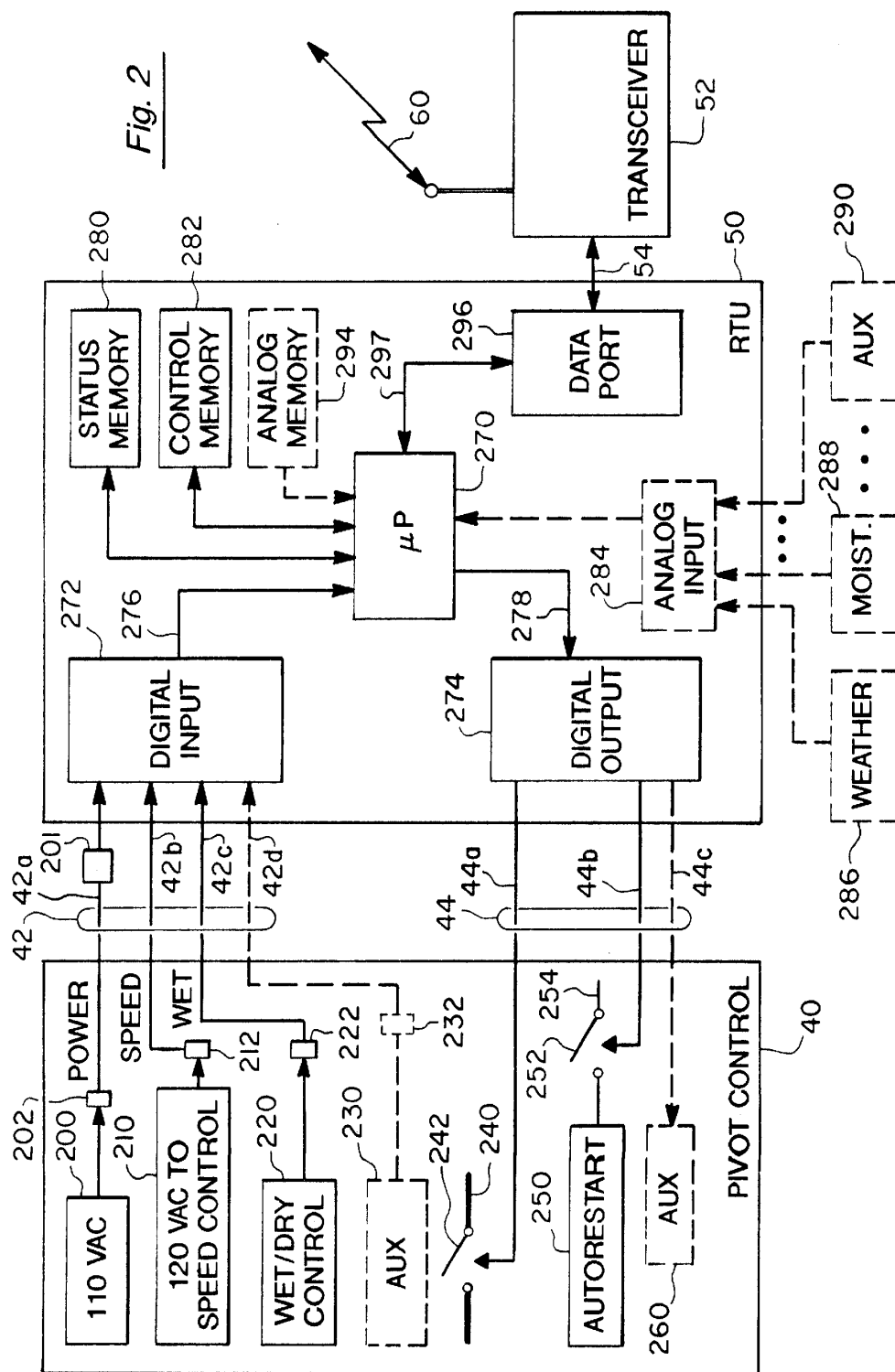


Fig. 3

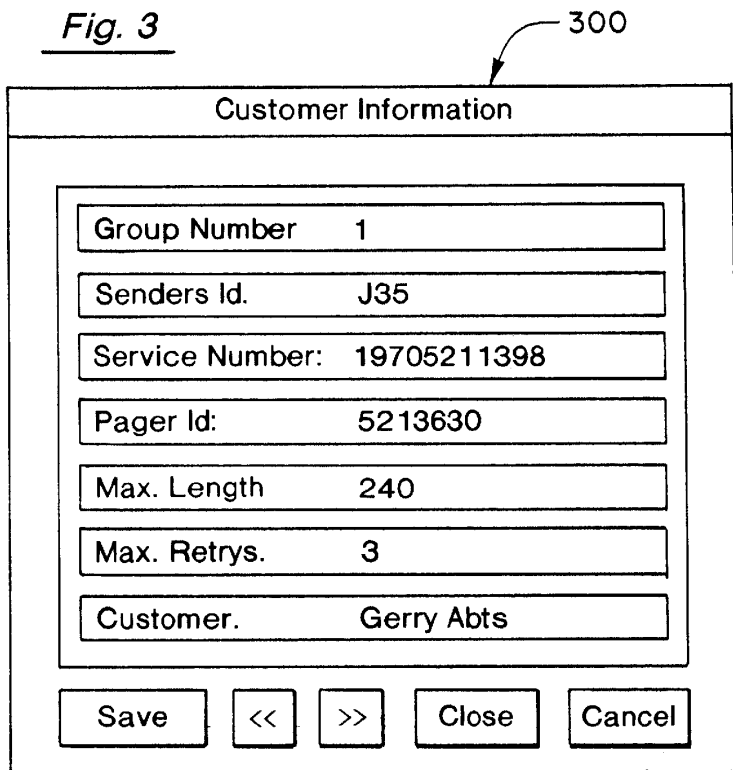
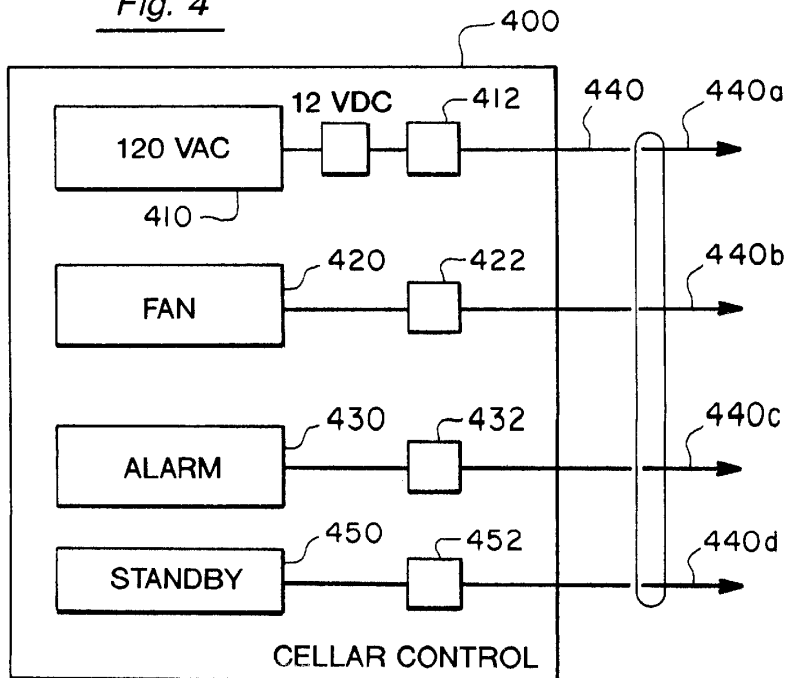


Fig. 4



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