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Pyotsia et al.

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- (54) **WIRELESS CONTROL OF A FIELD DEVICE IN AN INDUSTRIAL PROCESS**
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- (52) **U.S. Cl.** **455/420**; 455/422.1; 455/90.3; 455/3.03; 702/188; 700/17; 700/65; 700/83; 715/735; 715/736; 715/737; 715/740; 715/854; 715/864; 709/203; 709/206; 709/219; 340/3.1; 340/3.71; 340/3.9
- (58) **Field of Classification Search** 700/17, 700/65, 83, 264, 2, 9; 345/734-740, 853, 345/854, 864, 744, 746; 340/3.1, 3.9, 3.71; 455/3.01, 3.03, 423, 425, 68, 88, 90.3, 420, 455/422.1; 702/188; 715/734-740, 853, 715/854, 864, 744, 746; 709/217, 219, 203, 709/206, 313, 329

See application file for complete search history.

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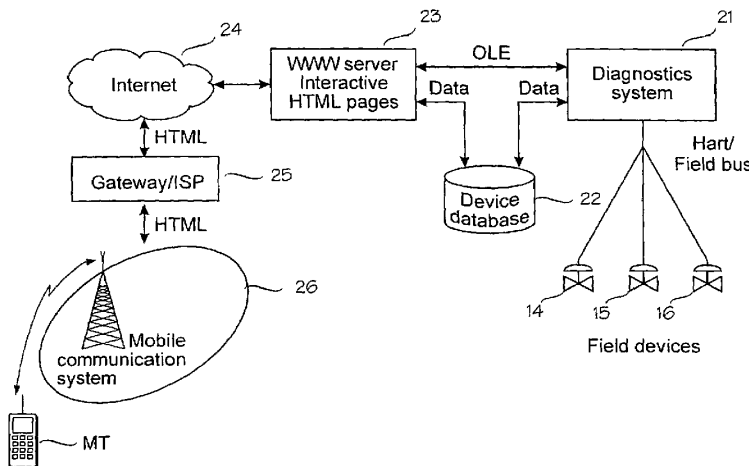
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(57) **ABSTRACT**

A mobile terminal is arranged to communicate over a cellular communication system with a control system connected to a plurality of field devices in an industrial process, in order to remote control, configure or monitor the field devices. The mobile terminal accesses through a dedicated data connection established over the cellular communication system an interactive user interface associated with the control system and arranged to utilize the configuration, control and management data of the control system. In the preferred embodiment, the interactive user interface is provided by a World Wide Web server.

13 Claims, 3 Drawing Sheets



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Fig. 1

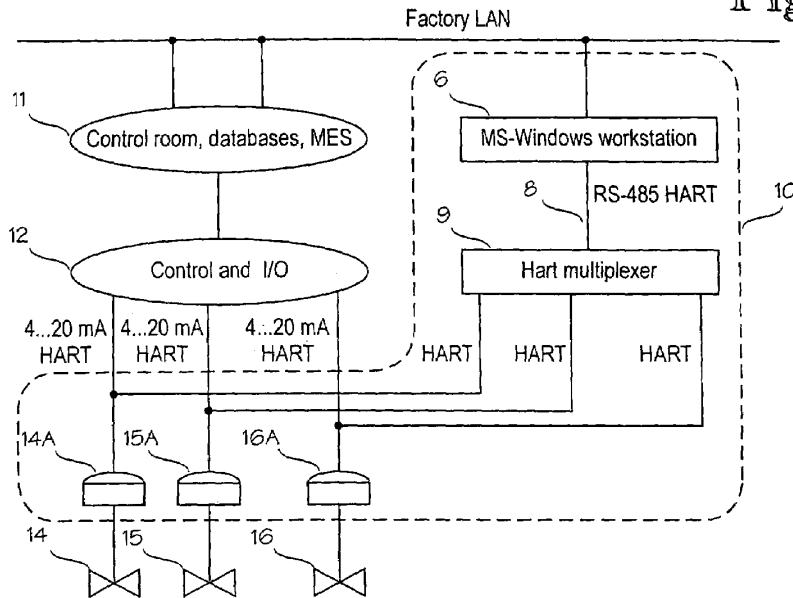


Fig. 2

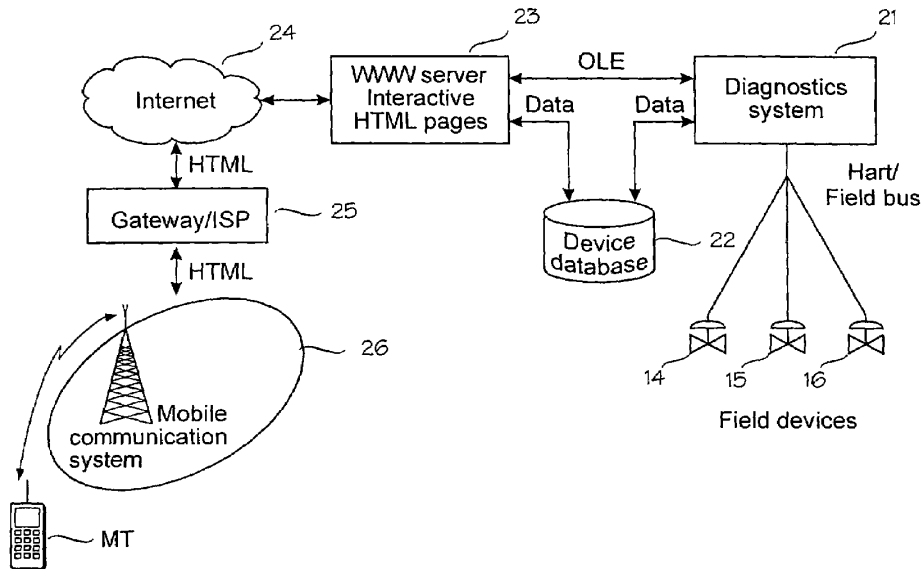


Fig. 3

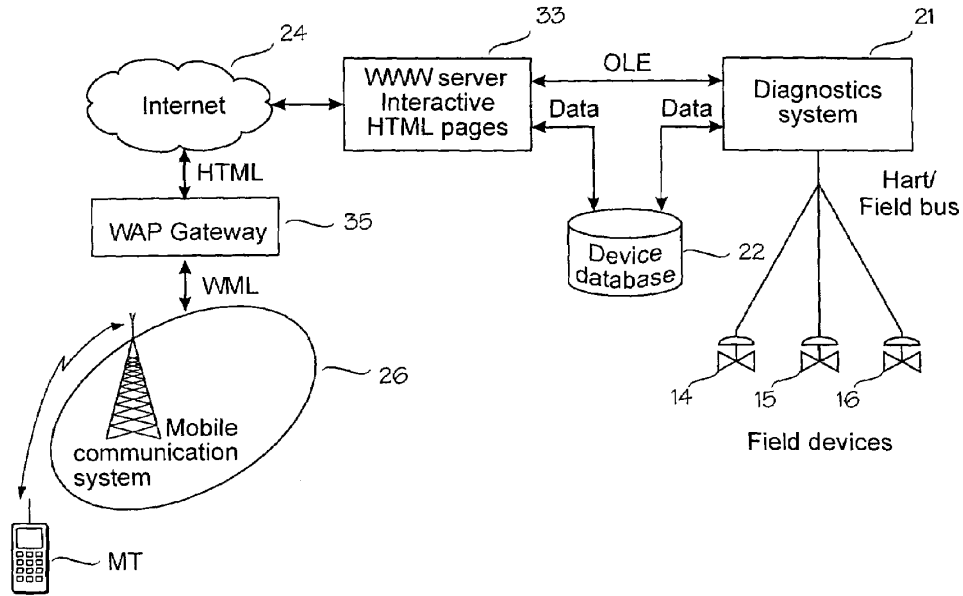
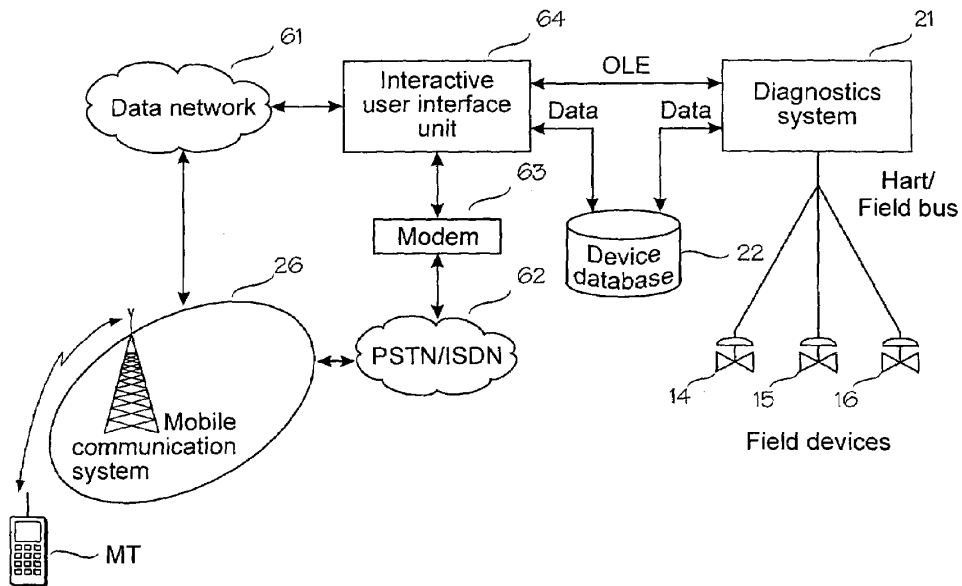


Fig. 6



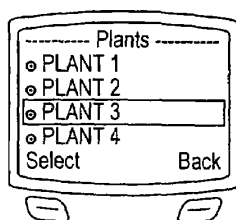


Fig. 4A

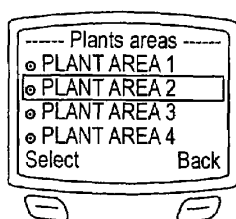


Fig. 4B

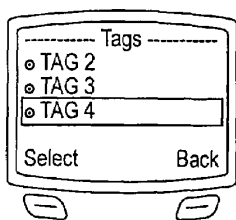


Fig. 4C



Fig. 5A

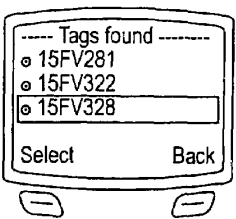


Fig. 5B

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