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GB 2377131 A **EP 0922836 A1**
US 3717844 A

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(54) Title of the Invention: **Wireless auxiliary monitoring and control system for an underwater installation**
Abstract Title: **Wireless Auxiliary Monitoring and Control System for Remote Underwater Installation**

(57) A wireless monitoring system comprising a first transceiver 201 attached to an underwater installation 26 including a data processor, a local power supply, a sensor 208 connected to the first transceiver and second transceiver 203 attached to a riser 23 which is detachable from the underwater installation 26. When the riser 23 is detached from the installation 26 the first transceiver activates and transmits data from the sensor to the second transceiver by electromagnetic waves. The data transmission may occur when the riser is detached, immediately before attachment or on receipt of a signal from the second transceiver. A wireless control system (fig 5) where during detachment of the riser from the installation control commands are transmitted to an actuator (509, fig 5) on the installation where the actuator may be a plurality of actuators on or more being a valve activated electrically. In both cases the transceiver deactivates after transmission to reduce power consumption.

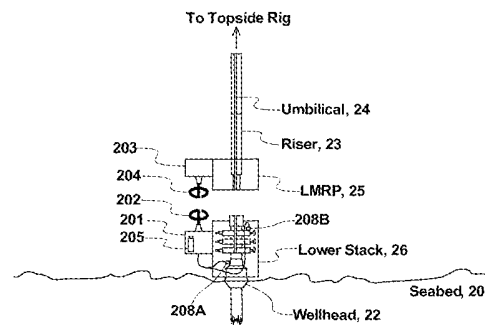


Fig. 2