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(54) Title: A COMMUNICATION ARRANGEMENT FOR TRANSMISSION OF COMMUNICATION SIGNALS ALONG A PIPE LINE

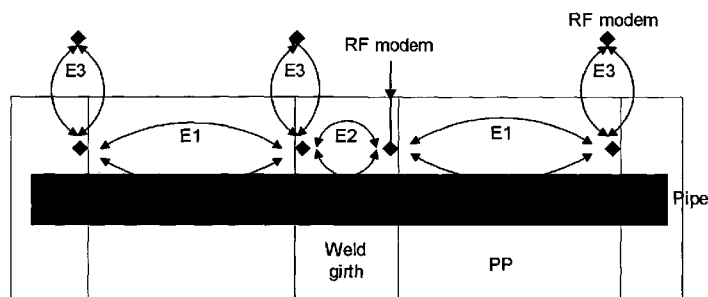


Fig. 1

(57) Abstract: It is disclosed a communication arrangement for transmission of communication signals along a pipe line where the communication arrangement comprises: a pipe with outer pipe walls made of a conductive material, a non conductivity coating surrounding said pipe where the coating has dielectric properties, an outer coating/layer or fluid that has conductive properties which encapsulates the non conductivity coating, and at least one radio frequency transmitter and one radio frequency receiver configured to transmit electromagnetic fields in the coating.