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(54) Title: PILE SENSING DEVICE AND METHOD OF USING THE SAME

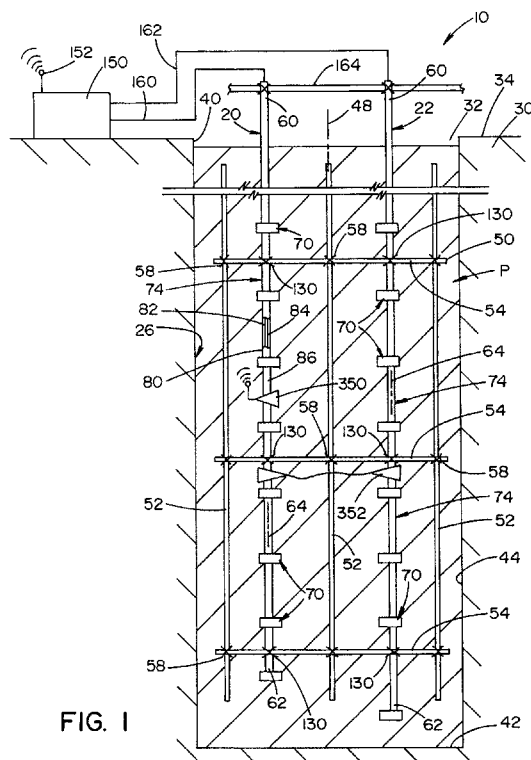


FIG. 1

(57) Abstract: A system for monitoring the forming of a solid object having a sensor string positionable in a forming structure before the curing process and a communication line extending along a string axis between a first and second end. The string further including a plurality of sensors joined to the communication line between the ends and each sensor being mounted at a set position on the line. Each sensor having a sensor body and a sensor housing and the sensor body including an electrical connector to electrically join an electrical structure to the communication line at the set position. The electrical structure including a temperature sensor configured to monitor temperature near the set position and further including an electronic identification code corresponding to the set position of the sensor along the axis. The system further including a transmitting device for selectively communicating the temperature and identification code.



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