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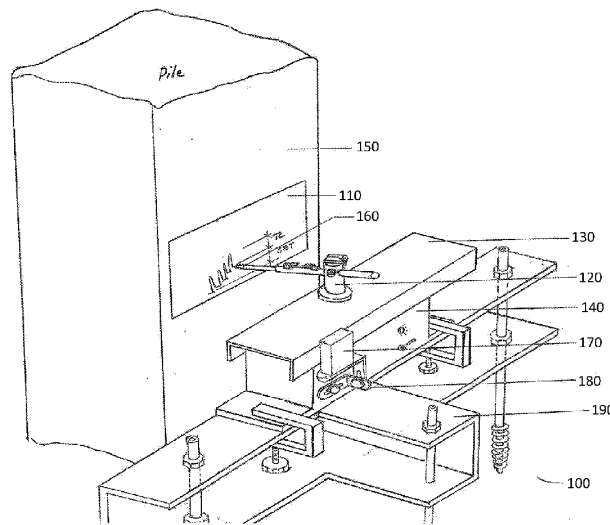


Fig. 1

(57) Abstract: The present invention discloses an apparatus (100) for tracing pile set during pile driving of a pile (150) comprising: a panel (110) for attaching to the pile (150); a rotatable holding mechanism (120) with remotely controllable function for holding a writing instrument (160) against the panel (110) to trace the pile set for at least a series of blows during the pile driving; a sliding mechanism (130) with remotely controllable function, which slides on a pair of bearing strips (131', 131'') to provide lateral movement of the holding mechanism (120) across the panel (110) after each blow of the pile driving; and a platform (140) with grooves for holding the bearing strips (131', 131'') in place for allowing the sliding mechanism (130) to slide freely in multiple directions; characterized in that, the holding mechanism has a rotatable lever arm (126) which is secured by a resilient means (129') to reduce excess vibration so that the writing instrument (160) is held in a still position while allowing the lever arm (126) to be rotated by motor controlled arm

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