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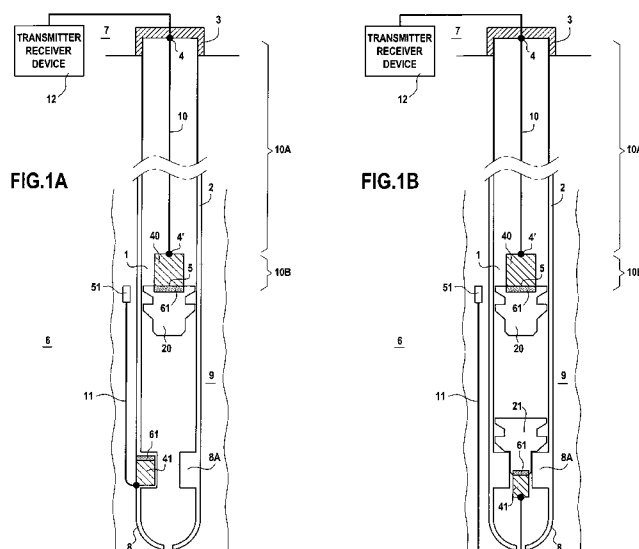
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(54) Title: METHOD AND APPARATUS FOR MEASURING A PARAMETER WITHIN THE WELL WITH A PLUG



(57) Abstract: The invention provides a system for measuring a parameter within a well, made of : a first apparatus comprising a first reel (41) of first wound optic fiber line (11) (or fiber) able to be unwound from the first reel, at least a first sensor (51) able to measure the parameter of the well, wherein an information on said parameter can be transmitted trough the first optic fiber; a second apparatus comprising a second reel (40) of second wound optic fiber line (10) able to be unwound from the second reel, an extremity of the second optic fiber being fixed to a reference point (4); a light transmitter or receiver device (12) linked to the reference point and able to generate or detect a light pulse through the second optic fiber line; and means (61) to exchange said light pulse between first and second optic fiber line.



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