

Title (en)
METHOD AND APPARATUS FOR ESTABLISHING A MANUAL GOVERNOR CONTROL SETTING IN AN ELECTRO-HYDRAULIC SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINER STEUERUNGSEINSTELLUNG EINES MANUELLEN REGLERS IN EINEM ELEKTROHYDRAULISCHEN SYSTEM

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR LA MIS EN OEUVRE D'UN MODE MANUEL DE COMMANDE DE RÉGULATEUR DANS UN SYSTÈME ÉLECTROHYDRAULIQUE

Publication
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Application
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Priority
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Abstract (en)
[origin: WO2008137042A1] An horizontal directional drilling (HDD) system having dynamically scalable control settings is disclosed. Such a system can include a drill pipe configured to attach to a boring tool, a user control having an input device moveable in position along an input range, the user control configured to output a control signal proportional to the position of the input device along the input range, a pump having an output range, the pump configured to move the drill pipe at various output levels over the output range based on the control signal, and a controller coupled to the user control and the pump, the controller configured to execute program instructions stored in memory to cause the HDD system to: perform drilling operations in a first control setting in which the output range of the pump corresponds to the input range of the user control and changes in output of the pump are proportional to positional changes of the input device along the input range, and perform drilling operations in a second control setting in which the output range of the pump is limited by a output limit and changes in output of the pump are proportionally scaled to positional changes of the input device along the input range.

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