

Title (en)
MECHANICAL TRIGGER ARRANGEMENT

Title (de)
MECHANISCHE BETÄTIGUNGSANORDNUNG

Title (fr)
SYSTÈME DE DÉCLANCHEMENT MÉCANIQUE

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Abstract (en)
[origin: WO2008016308A1] The present invention relates to an arrangement for the repeated mechanical triggering of various types of downhole equipment, the arrangement comprising a spring element (4) and a string section (1). The invention is characterized in that the arrangement comprises a rotary sleeve (7), with turning faces (1 ', 1 " ; 2', 2") being provided between the string section (1) and the rotary sleeve (7), one set of the turning faces (1 ', 1 ") having an equivalent slope and the other set of turning faces (2', 2") having a different slope, the arrangement being configured to force a relative rotary movement between the string section (1) and the rotary sleeve (7) as a premise for an axial movement, with the amount of rotary movement of the rotary sleeve (7) depending on the force being applied to the arrangement, the stiffness of spring (4), as well as the slope of the turning faces (1 \ 1 " ; 2', 2"), the arrangement being configured to release the energy stored therein when the rotary sleeve (7) has been rotated by an amount causing the abutment face (3") of the rotary sleeve (7) to no longer be axially abutted against the abutment face (3') of an end piece (6), whereupon the rotary sleeve (5) and the string section (1) will be displaced relative to the end piece (6) allowing the spring (4) to release its stored energy.

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