Title (en)

A SINGLE-WIRE SELECTIVE PERFORATION SYSTEM HAVING FIRING SAFEGUARDS

Publication

EP 0098779 B1 19870930 (EN)

Application

EP 83401358 A 19830701

Priority

- US 39494882 A 19820702
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Abstract (en)

[origin: EP0098779A2] A method and system for selcting and arming each of a plurality of firing modules in a single-line selective perforating system is disclosed. A single firing line connects each firing module one at a time in a sequence to a control unit to receive power and control signals therefrom. Each module generates internally a module active time interval in response to being connected to the firing line power. Each time interval has a first portion during which the module generates an identification pulse to the control unit to uniquely identify that a particular module has been connected to the firing line, and a second portion during which the module is enabled to receive a selection pulse from the control unit to terminate further sequencing of the modules to locate the module to be selected. The next module to receive power from the control unit is connected to the firing line by a pass-through switch in the last connected module at the end of its active time interval if that module was not selected.

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IPC 8 full level

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CPC (source: EP)

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Citation (examination)

US 4051907 A 19771004 - ESTES JAMES D

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AU595916B2; CN109115060A; FR2660749A1; EP0160628A3; GB2179123A; US4860653A; GB2178830A; US4869171A; WO2009090615A3

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