

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
- US 39494982 A 19820702

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.

IPC 1-7

**F42D 1/06**; **E21B 43/1185**

IPC 8 full level

**E21B 43/1185** (2006.01); **F42D 1/055** (2006.01)

CPC (source: EP)

**E21B 43/1185** (2013.01); **F42D 1/055** (2013.01)

Citation (examination)

US 4051907 A 19771004 - ESTES JAMES D

Cited by

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

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0098779 A2 19840118**; **EP 0098779 A3 19851106**; **EP 0098779 B1 19870930**; AU 1648483 A 19840105; AU 564471 B2 19870813; DE 3373939 D1 19871105; DK 168168 B1 19940221; DK 305583 A 19840103; DK 305583 D0 19830701; IN 162141 B 19880402; MX 158750 A 19890310; NO 167995 B 19910923; NO 167995 C 19920102; NO 832177 L 19840103; OA 07480 A 19841231

DOCDB simple family (application)

**EP 83401358 A 19830701**; AU 1648483 A 19830701; DE 3373939 T 19830701; DK 305583 A 19830701; IN 827CA1983 A 19830702; MX 19790783 A 19830630; NO 832177 A 19830616; OA 58047 A 19830701