

ABSTRACT

Wireless electronic detonator (200) including a primary source of energy (230) and at least one functional module (250), a power switch (240), disposed between the primary source of energy and the functional module to connect or disconnect the functional module (250) and the primary source of energy (230), and a module (210) for controlling the power switch including an optical receiver (220) to detect and demodulate a light signal (LU) emitted by a control console (100) and generate a control signal according to the demodulated light signal (LU) to at least control the power switch (240); wireless detonation system (10) including such a wireless electronic detonator (200) and a control console (100) configured to emit a light signal (LU), and method for activating such a wireless electronic detonator.

Figure for the abstract: Fig. 1