

Title (en)

Ignition system for shaped charge perforating gun.

Title (de)

Zündsystem für einen besonders geformten Sprengsatz eines Geschosslochers.

Title (fr)

Système allumeur pour perforateur à charge creuse.

Publication

EP 0396465 B1 19940615 (EN)

Application

EP 90401175 A 19900430

Priority

US 34610789 A 19890502

Abstract (en)

[origin: EP0396465A1] A new shape charge includes an integrated circuit semiconductor bridge detonating device responsive to ordinary current for triggering a switch in the detonating device and igniting a pyrotechnic composition on a small integrated circuit semiconductor bridge in the detonation device in response to the current, thereby igniting an explosive material in the shape charge and firing the shape charge. Since the integrated circuit detonating device is utilized, responsive to ordinary current for detonation, prior art detonating cords are not needed. A plurality of shape charges in a perforating gun are fired substantially simultaneously using the new shape charge of the present invention.

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IPC 8 full level

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CPC (source: EP)

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