

Title (en)

Secured high-energy electro-pyrotechnic initiator

Title (de)

Elektro-pyrotechnischer Anzünder mit gesicherter Hochenergiezündung

Title (fr)

Initiateur électro-pyrotechnique sécurisé a haute énergie

Publication

EP 1172628 A3 20020410 (FR)

Application

EP 01401888 A 20010713

Priority

FR 0009243 A 20000713

Abstract (en)

[origin: US2002023567A1] The slapper type initiator comprises essentially: a connector unit (2) having two connection pins (3, 4), a first dielectric foil (5) with two drilled holes (6, 7), with a fuse (8) formed on the rear face of this first dielectric foil, a second dielectric foil (9) on the front face of which there are formed two metal pads (10, 11) facing said holes, a perforated plate (12) and a body (13) containing a pyrotechnic charge 14. The assembly is hermetically sealed. The first foil introduces a galvanic discontinuity that ensures a well-defined firing voltage, with a value high enough to prevent induced parasitic currents.

IPC 1-7

F42B 3/12

IPC 8 full level

F42B 3/12 (2006.01)

CPC (source: EP US)

F42B 3/124 (2013.01 - EP US)

Citation (search report)

- [X] EP 0482969 A2 19920429 - SCHLUMBERGER LTD [US], et al
- [XA] US 5347929 A 19940920 - LERCHE NOLAN C [US], et al
- [A] US 4441427 A 19840410 - BARRETT JOSEPH A F [US]
- [A] US 5969286 A 19991019 - WARD MICHAEL A [US], et al
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EP3217141A1; EP3121552A1; US9995560B2

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DOCDB simple family (publication)

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