

Title (en)

HIGH ENERGY SEVERING TOOL WITH PRESSURE BALANCED EXPLOSIVES

Title (de)

HOCHENERGETISCHES TRENNWERKZEUG MIT DRUCKAUSGEGLICHENEN SPRENGSTOFFEN

Title (fr)

OUTIL DE COUPE À HAUTE ÉNERGIE AYANT DES EXPLOSIFS À PRESSION ÉQUILIBRÉE

Publication

EP 3250778 B1 20200506 (EN)

Application

EP 15880607 A 20150918

Priority

- US 201514605829 A 20150126
- US 2015051017 W 20150918
- US 201514858816 A 20150918

Abstract (en)

[origin: WO2016122720A1] A high energy pipe severing tool is arranged to align a plurality of pressure balanced explosive pellets along a unitizing central tube that is selectively separable from a tubular external housing. The explosive pellets are loaded serially in a column and in full view along the entire column as a final charging task. Detonation boosters are pre-positioned and connected to detonation cord for simultaneous detonation at opposite ends of the explosive column. Devoid of high explosive pellets during transport, the assembly may be transported with all boosters and detonation cord connected.

IPC 8 full level

E21B 29/02 (2006.01)

CPC (source: EP)

E21B 29/02 (2013.01)

Cited by

CN111750753A

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2016122720 A1 20160804; CA 2975143 A1 20160804; CA 2975143 C 20221115; EP 3250778 A1 20171206; EP 3250778 A4 20190227; EP 3250778 B1 20200506

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