

Title (en)

PROCESS FOR THE QUASI-ISOSTATIC PRESSING OF PRECISELY SHAPED EXPLOSIVE CHARGES, APPARATUS THEREFOR AND APPLICATION THEREOF

Publication

EP 0296099 B1 19911204 (DE)

Application

EP 88810236 A 19880413

Priority

CH 228087 A 19870617

Abstract (en)

[origin: US4920079A] A water-filled pressure chamber (7) loaded by conventional pumps at pressures of several thousand bars is used to isostatically press explosive charges. Inside this pressure chamber (7) is a compression mold (6) having an inner/outer mold (1) consisting of several components. Explosives in the mold are subjected through an elastic sleeve (3) to liquid pressure (p), so that the interior pressure in the chamber will be nearly isostatic. Following pressure relief, Dimensionally accurate and homogeneous precision explosive charges are obtained. The present invention also includes the process using the pressure chamber. The invention increases manufacturing output and quality of explosive charges so produced.

IPC 1-7

B30B 11/00; C06B 21/00

IPC 8 full level

B30B 11/00 (2006.01); **C06B 21/00** (2006.01)

CPC (source: EP US)

B30B 11/001 (2013.01 - EP US); **C06B 21/0041** (2013.01 - EP US)

Cited by

CN104891189A; EP2332894A1; EP0570032A3; CN108707054A; US8062563B2; WO03035580A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0296099 A1 19881221; EP 0296099 B1 19911204; AT E70041 T1 19911215; CH 673704 A5 19900330; DE 3866602 D1 19920116; ES 2028355 T3 19920701; HK 42493 A 19930507; NO 166598 B 19910506; NO 166598 C 19910814; NO 882667 D0 19880616; NO 882667 L 19881219; PT 87744 A 19890531; PT 87744 B 19930930; SG 13393 G 19930416; US 4920079 A 19900424

DOCDB simple family (application)

EP 88810236 A 19880413; AT 88810236 T 19880413; CH 228087 A 19870617; DE 3866602 T 19880413; ES 88810236 T 19880413; HK 42493 A 19930429; NO 882667 A 19880616; PT 8774488 A 19880616; SG 13393 A 19930209; US 20400488 A 19880608