

Title (en)

PROCESS AND DEVICE FOR PRODUCING A TRIBASIC PROPELLANT POWDER.

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES DREIBASIGEN TREIBLADUNGSPULVERS.

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE UNE POUDRE DE CHARGE PROPULSIVE TRIBASIQUE.

Publication

EP 0424490 B1 19950308 (DE)

Application

EP 90906180 A 19900417

Priority

- DE 3915437 A 19890511
- EP 9000616 W 19900417

Abstract (en)

[origin: US5266242A] PCT No. PCT/EP90/00616 Sec. 371 Date Jan. 7, 1991 Sec. 102(e) Date Jan. 7, 1991 PCT Filed Apr. 17, 1990 PCT Pub. No. WO90/13528 PCT Pub. Date Nov. 15, 1990. The invention relates to a method of and an apparatus for producing tribasic propellant charge powders. An operationally safe and continuous course of the production process is obtained according to the invention by first preparing a fully gelatinized dibasic intermediate product of nitrocellulose and a blasting or explosive oil, without solvent, in a shearing mill (1). The intermediate product is granulated and supplied to an extruder (4) into which the third crystalline energy carrier and solvents are introduced. There the pulverous mixture is homogenized and extruded to form powder strands which are moist with solvent.

IPC 1-7

C06B 21/00

IPC 8 full level

C06B 21/00 (2006.01); **C06D 5/00** (2006.01)

CPC (source: EP KR US)

C06B 21/00 (2013.01 - KR); **C06B 21/0033** (2013.01 - EP US); **C06B 21/0075** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9013528 A2 19901115; WO 9013528 A3 19901227; AR 242765 A1 19930531; AT E119512 T1 19950315; AU 5424490 A 19901129; AU 632562 B2 19930107; BR 9006751 A 19910806; CA 2031517 A1 19901112; CA 2031517 C 19990824; CN 1042324 C 19990303; CN 1047072 A 19901121; DE 59008631 D1 19950413; EG 21067 A 20001031; EP 0424490 A1 19910502; EP 0424490 B1 19950308; FI 906423 A0 19901228; FI 97802 B 19961115; FI 97802 C 19970225; GR 1003566 B 20010410; GR 900100307 A 19911010; IL 94193 A0 19910131; IL 94193 A 19941128; JP H03505199 A 19911114; JP H0777992 B2 19950823; KR 920701080 A 19920811; KR 940004634 B1 19940527; NO 175936 B 19940926; NO 175936 C 19950104; NO 910139 D0 19910111; NO 910139 L 19910111; PT 94013 A 19910108; US 5266242 A 19931130; ZA 903514 B 19910227

DOCDB simple family (application)

EP 9000616 W 19900417; AR 31676190 A 19900502; AT 90906180 T 19900417; AU 5424490 A 19900417; BR 9006751 A 19900417; CA 2031517 A 19900417; CN 90102643 A 19900510; DE 59008631 T 19900417; EG 27290 A 19900509; EP 90906180 A 19900417; FI 906423 A 19901228; GR 900100307 A 19900423; IL 9419390 A 19900424; JP 50596690 A 19900417; KR 910700035 A 19910110; NO 910139 A 19910111; PT 9401390 A 19900511; US 63516991 A 19910107; ZA 903514 A 19900509