

Title (en)

PROCESS AND APPARATUS FOR THE MANUFACTURE OF A MONOBASE OR PLURAL BASE PROPELLANT

Publication

EP 0113402 B1 19870826 (DE)

Application

EP 83110865 A 19831031

Priority

DE 3242301 A 19821116

Abstract (en)

[origin: US4525313A] Single- or multi-base propellants are produced in a solvent process from their starting components, of which at least one is moistened with alcohol, using a twin-shaft screw extruder, that has an inlet zone run at a raised temperature, then nextly a mixing and kneading zone and lastly an outlet zone. The temperature in the kneading and mixing zone and in the outlet zones is kept at a value that is higher than in the inlet zone. Furthermore there is a temperature drop towards the outlet zone.

IPC 1-7

C06B 21/00; **B30B 11/00**

IPC 8 full level

B30B 11/00 (2006.01); **B30B 11/24** (2006.01); **C06B 21/00** (2006.01)

CPC (source: EP US)

B30B 11/24 (2013.01 - EP US); **B30B 11/243** (2013.01 - EP US); **C06B 21/0075** (2013.01 - EP US)

Citation (examination)

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Cited by

EP0330102A1; FR2633281A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 4525313 A 19850625; AT E29125 T1 19870915; DE 3242301 A1 19840517; DE 3242301 C2 19870716; DE 3373181 D1 19871001; EP 0113402 A2 19840718; EP 0113402 A3 19851009; EP 0113402 B1 19870826

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US 54835683 A 19831103; AT 83110865 T 19831031; DE 3242301 A 19821116; DE 3373181 T 19831031; EP 83110865 A 19831031