

Title (en)
PROCESS FOR MANUFACTURING POWDER FOR PROPULSIVE CHARGES.

Title (de)
VERFAHREN ZUM HERSTELLEN VON TREIBLADUNGSPULVER.

Title (fr)
PROCEDE POUR FABRIQUER DE LA POUDRE DE CHARGE PROPULSIVE.

Publication
EP 0288505 A1 19881102 (DE)

Application
EP 87906819 A 19871008

Priority
• DE 3635296 A 19861016
• EP 8700585 W 19871008

Abstract (en)
[origin: WO8802743A1] In order to produce bivalent powder for propulsive charges by the solvent-free process, the rough mixture of damp powder is kneaded at a high temperature in a shear cylinder, to which the mixture is continually fed and on an end face of which the gelled mixture is continually removed and immediately granulated in a continuous manner. The granulate obtained is continuously fed to an extruding machine by means of which it is coiled in the form of powder strips which are converted, by cutting and finishing treatment, into a finished powdery product. This process offers the dual advantage of combining entirely continuous operation with a high degree of reliability.

Abstract (fr)
Pour fabriquer de la poudre de charge propulsive bivalente par le procédé sans solvant, le mélange brut de poudre humide est malaxé à haute température dans un cylindre de cisaillement auquel le mélange est amené en continu et sur une extrémité frontale duquel le mélange gélifié est prélevé en continu et granulé immédiatement en continu. Le granulat obtenu est acheminé en continu à une extrudeuse au moyen de laquelle il est boudiné sous forme de cordons de poudre qui sont transformés, par coupe et traitement de finition, en produit pulvérulent fini. Ce procédé présente le double avantage de pouvoir être exécuté entièrement en continu et d'être très fiable.

IPC 1-7
C06B 21/00; **B29B 7/56**

IPC 8 full level
B29B 7/56 (2006.01); **C06B 21/00** (2006.01)

CPC (source: EP KR US)
C06B 21/00 (2013.01 - KR); **C06B 21/0041** (2013.01 - EP US); **C06B 21/0075** (2013.01 - EP US)

Citation (search report)
See references of WO 8802743A1

Cited by
RU2606418C1; WO03035580A2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 8802743 A1 19880421; AR 246729 A1 19940930; AU 651087 B2 19940714; AU 7275391 A 19910711; AU 8107187 A 19880506; BR 8707506 A 19890221; CA 1304942 C 19920714; CN 1015170 B 19911225; CN 87106808 A 19880427; DE 3635296 A1 19880428; DE 3635296 C2 19951221; DE 3777399 D1 19920416; EG 20112 A 19970731; EP 0288505 A1 19881102; EP 0288505 B1 19920311; EP 0288505 B2 19980617; ES 2007423 A6 19890616; FI 882858 A0 19880615; FI 882858 A 19880615; FI 92581 B 19940831; FI 92581 C 19941212; GR 871431 B 19871214; IL 83998 A0 19880229; IL 83998 A 19911215; IN 169922 B 19920111; JP 2681183 B2 19971126; JP H01501140 A 19890420; KR 880701695 A 19881104; KR 960000756 B1 19960112; PT 85927 A 19881130; PT 85927 B 19930730; US 4963296 A 19901016; ZA 877700 B 19880419

DOCDB simple family (application)
EP 8700585 W 19871008; AR 30897387 A 19871016; AU 7275391 A 19910308; AU 8107187 A 19871008; BR 8707506 A 19871008; CA 549389 A 19871015; CN 87106808 A 19871014; DE 3635296 A 19861016; DE 3777399 T 19871008; EG 58687 A 19871013; EP 87906819 A 19871008; ES 8702950 A 19871015; FI 882858 A 19880615; GR 870101431 A 19870916; IL 8399887 A 19870923; IN 805CA1987 A 19871015; JP 50663087 A 19871008; KR 880700671 A 19880615; PT 8592787 A 19871015; US 22892188 A 19880616; ZA 877700 A 19871015