

Title (en)
PROCESSING APPARATUS FOR ANTI-EXPLOSIVE MATERIAL

Title (de)
VERARBEITUNGSVORRICHTUNG FÜR EXPLOSIONSHEMMENDES MATERIAL

Title (fr)
APPAREIL DE TRAITEMENT POUR MATÉRIAU ANTI-EXPLOSION

Publication
EP 2251113 B1 20120627 (EN)

Application
EP 08714859 A 20080227

Priority
CN 2008000405 W 20080227

Abstract (en)
[origin: EP2251113A1] A processing apparatus for anti-explosive material and the control device thereof are disclosed. The processing apparatus for anti-explosive material includes a frame (1). A tray for the raw material roll (2), a guiding mechanism (3), a rolling cutter mechanism (4) and a webbing mechanism (5) are disposed from one end to the other end of the frame in order and spaced one from the other (1), and a cutting and material collecting mechanism (6) is fixed to the other end of the frame (1). A synchronous control unit (7) for the actuating motor (41) of the rolling cutter and the actuating motor (51) of the webbing mechanism is provided on the frame (1) and positioned between the rolling cutter mechanism (4) and the webbing mechanism (5). The synchronous control unit (7) is electrically connected to the adjusting control box and inputs the control signal to it, and the adjusting control box is electrically connected to the actuating motor (41) of the rolling cutter and the actuating motor (51) of the webbing mechanism and outputs the control signal to regulate the speed. The apparatus of the present invention has a simple structure and low cost. Since operation of the actuating motor (41) of the rolling cutter and the actuating motor (51) is synchronous, the degree of the automated control of the apparatus is increased, the control of the manufacturing process of the anti-explosive material is enhanced, the processing period is short and the work efficiency is high. The decontaminating means for the rolling cutter (42) is improved to ensure the rolling cutter (42) remains clean and sharp during the manufacturing process of the anti-explosive material, thus enhancing product quality. An automatic cutting and material pushing mechanism is also provided, to enable accurate roll quantity control, lower labor intensity and safe and reliable operation.

IPC 8 full level
B21D 31/04 (2006.01); **B21D 33/00** (2006.01); **B21D 43/02** (2006.01); **B21D 47/00** (2006.01); **B26D 5/24** (2006.01)

CPC (source: EP)
B21D 31/046 (2013.01); **B21D 43/021** (2013.01); **B26D 7/088** (2013.01); **B26D 9/00** (2013.01); **B65H 35/0006** (2013.01); **B65H 2513/10** (2013.01)

C-Set (source: EP)
B65H 2513/10 + **B65H 2220/02** + **B65H 2220/11**

Cited by
CN104400108A; US11654469B2; WO2018185505A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2251113 A1 20101117; **EP 2251113 A4 20110601**; **EP 2251113 B1 20120627**; CN 101932392 A 20101229; CN 101932392 B 20121003; HK 1142294 A1 20101203; WO 2009105914 A1 20090903

DOCDB simple family (application)
EP 08714859 A 20080227; CN 2008000405 W 20080227; CN 200880125962 A 20080227; HK 10108769 A 20100915