

Title (en)
METHOD AND APPARATUS FOR NECKING STUFFED FLEXIBLE CASINGS

Publication
EP 0000821 B1 19820414 (EN)

Application
EP 78300216 A 19780731

Priority
CA 284654 A 19770810

Abstract (en)
[origin: CA1045092A] "METHOD AND APPARATUS FOR CLOSING AND SEALING CONTAINERS" An apparatus is described for handling a continuous, stuffed, flexible casing and especially stuffed with explosives material. The apparatus includes pairs of split necking plates on either side of a casing path adapted for opposed reciprocal movement for engaging the casing in the path and necking the casing. The necking plates are mounted by a parallelogram linkage suspended from an overhead frame, and linkage means are provided for simultaneously moving the necking plates through said parallelogram linkage to neck the casing. Each pair of necking plates is adapted to move apart in a direction parallel to the axis of the path of the casing such that when the casing is necked by the necking plates, the neck so formed on the casing can be elongated by moving the plates apart. Magazine means are provided for advancing clips overhead of the casing, and a reciprocating plunger removes the clips from the magazine and arranges them on the neck portion of the casing between the necking plates as they are split apart. Die means are pivoted from the overhead frame and adapted for movement to and from a position between the split-apart necking plates below and adjacent the necked portion of the casing for receiving and forming the clips. Cutting means are pivotally mounted to the overhead frame for movement between the split-apart necking plates to cut the casing in the vicinity of the clips.

IPC 1-7
B65B 9/12

IPC 8 full level
A22C 11/12 (2006.01); **B65B 51/00** (2006.01); **B65B 9/13** (2006.01); **B65B 51/08** (2006.01)

CPC (source: EP US)
A22C 11/125 (2013.01 - EP US)

Cited by
EP0937403A1; EP0296300A3; EP0239144A3; EP0247545A1; EP2647291A1; US9314036B2; US6217436B1; EP1095570A1; EP3001908A1; EP3001909A1; WO2013149840A1; WO9213764A1; WO9818334A1; WO8707115A1; US6524178B1; US9615589B2

Designated contracting state (EPC)
BE CH DE FR GB NL SE

DOCDB simple family (publication)
EP 0000821 A1 19790221; EP 0000821 B1 19820414; AU 3842678 A 19800131; AU 516715 B2 19810618; BR 7805109 A 19790508; CA 1045092 A 19781226; DE 2861734 D1 19820527; DK 147723 B 19841126; DK 147723 C 19850617; DK 354378 A 19790211; IT 1109376 B 19851216; IT 7850593 A0 19780803; JP S5449295 A 19790418; MX 147009 A 19820922; NO 148405 B 19830627; NO 148405 C 19831005; NO 782552 L 19790213; US 4218861 A 19800826; ZA 784346 B 19790829

DOCDB simple family (application)
EP 78300216 A 19780731; AU 3842678 A 19780727; BR 7805109 A 19780809; CA 284654 A 19770810; DE 2861734 T 19780731; DK 354378 A 19780810; IT 5059378 A 19780803; JP 9321278 A 19780801; MX 17447978 A 19780810; NO 782552 A 19780725; US 92797978 A 19780726; ZA 784346 A 19780801