

Title (en)
METHOD FOR RECHARGING A BUNDLING MACHINE USING A PLASTIC FILM AND BUNDLING MACHINE CARRYING OUT SAID METHOD

Title (de)
VERFAHREN ZUM RÜSTEN EINER EINWICKELMASCHINE MIT FOLIE, UND EINWICKELMASCHINE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE POUR RECHARGER UNE FARDELEUSE A L'AIDE D'UN FILM PLASTIQUE, ET FARDELEUSE METTANT EN OEUVRE LE PROCEDE

Publication
EP 1379457 A1 20040114 (FR)

Application
EP 02722388 A 20020402

Priority
• FR 0201124 W 20020402
• FR 0104833 A 20010410

Abstract (en)
[origin: FR2823190A1] The invention relates to improvements to methods for recharging a machine which is used to pack groups of products (1, 2, 3, 4) with the aid of a plastic film (5; 51; 53) wherein the film (51) of a distributor reel (7) is unwound, the film of a full reel (70) is subsequently engaged into injection means (17) in such a way that said reel (70) becomes a distributor reel in turn, then the empty distributor reel (7) is replaced with a new full reel. According to the invention, while a reel (7) is being distributed, the full reel (70) is placed in the machine and the free end (52) of the film connected to said full reel is maintained in a waiting position; when it is detected that the end of the film of the distributor reel (7) has reached a predetermined position, the advance of the film (7) of said reel is halted and the free end (52) of the film (53) connected to the full reel (70) is driven in such a way that it becomes a distributor reel; while said full reel (70) is being distributed, the empty distributor reel (7) is replaced by a new full reel and the free end of the beginning of the film connected to said new reel is maintained, whereupon the previously mentioned cycle is resumed with a new reel when the final extremity of the film of the full reel (70) which is being distributed reaches a predetermined position in the machine.

[origin: FR2823190A1] The procedure for re-loading a machine fed by an injector mechanism with a film cutter consists of fitting a stand-by roll of wrapping film in the machine while a previous roll is being used and placing the free end of the stand-by roll in readiness inside the injector/cutter. Once the end of the film from the previous roll reaches a given position it is stopped and replaced by the free end of the stand-by roll's film. The procedure for re-loading a machine used for wrapping batched of products (1-4) in plastic film (5) fed by an injector mechanism (17) with a film cutter consists of fitting a stand-by roll (70) of wrapping film in the machine while a previous roll (7) is being used and placing the free end (52) of the stand-by roll in readiness inside the injector/cutter. Once the end of the film from the previous roll reaches a given position in the machine it is stopped and replaced by the free end of the stand-by roll's film. The old roll (7) is then removed from the machine and replaced by a fresh stand-by roll, so that the wrapping procedure can operate continuously.

IPC 1-7
B65H 19/18

IPC 8 full level
B65H 19/18 (2006.01)

CPC (source: EP US)
B65H 19/1852 (2013.01 - EP US); **B65H 19/1873** (2013.01 - EP US); **B65H 2301/46115** (2013.01 - EP US); **B65H 2301/4636** (2013.01 - EP US); **B65H 2701/1752** (2013.01 - EP US); **B65H 2801/81** (2013.01 - EP US)

Citation (search report)
See references of WO 02083533A1

Citation (third parties)
Third party :
• EP 0294321 B1 19911211
• EP 0429135 B1 19930901
• US 3789714 A 19740205 - DEMNY H
• US 3983774 A 19761005 - SERAGNOLI ENZO
• EP 0839723 A1 19980506 - DIMAC SPA [IT]
• US 3898900 A 19750812 - SCHMERMUND ALFRED
• US 4772350 A 19880920 - GAMBERINI ANTONIO [IT]
• US 6451145 B1 20020917 - FORBES THOMAS J [US]
• GB 1423071 A 19760128 - KUPER H KUPER HEINRICH

Cited by
WO2016177964A1; EP3156356A1; US11332336B2; WO2016177972A1; US10766650B2; EP3239081A1; US10669113B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
FR 2823190 A1 20021011; FR 2823190 B1 20030905; AT E323658 T1 20060515; DE 60210759 D1 20060524; DE 60210759 T2 20070412; EP 1379457 A1 20040114; EP 1379457 B1 20060419; ES 2261661 T3 20061116; PT 1379457 E 20060731; US 2004103977 A1 20040603; US 2008092493 A1 20080424; US 7326308 B2 20080205; WO 02083533 A1 20021024

DOCDB simple family (application)
FR 0104833 A 20010410; AT 02722388 T 20020402; DE 60210759 T 20020402; EP 02722388 A 20020402; ES 02722388 T 20020402; FR 0201124 W 20020402; PT 02722388 T 20020402; US 47445703 A 20031212; US 96178007 A 20071220