

Title (en)

Device for replenishing the reserve of a pile receiver

Title (de)

Vorrichtung zum Ergänzen des Vorrates eines Stapelmagazins

Title (fr)

Dispositif pour compléter la réserve d'un magasin pour pile

Publication

EP 0987203 B1 20030502 (DE)

Application

EP 99117507 A 19990904

Priority

DE 19842965 A 19980919

Abstract (en)

[origin: EP0987203A2] The device includes a stacking grip (1) with a monitoring device (24) which monitors the stack height of the residual stack (8) during lowering, which can release an aperture in the grip. The monitoring device may maintain a defined vertical spacing between the underside of a topping-up stack (6) and the top of the residual stack.

IPC 1-7

B65H 1/30; **B65G 47/90**

IPC 8 full level

B65H 31/24 (2006.01); **B65G 47/90** (2006.01); **B65H 1/30** (2006.01)

CPC (source: EP US)

B65H 1/30 (2013.01 - EP US); **B65H 2301/4224** (2013.01 - EP US); **B65H 2301/42261** (2013.01 - EP US); **B65H 2301/42322** (2013.01 - EP US); **B65H 2405/50** (2013.01 - EP US); **B65H 2405/584** (2013.01 - EP US); **B65H 2511/15** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US)

C-Set (source: EP US)

EP

1. **B65H 2511/22** + **B65H 2220/02**

2. **B65H 2511/15** + **B65H 2220/01**

US

1. **B65H 2511/15** + **B65H 2220/01**

2. **B65H 2511/22** + **B65H 2220/02**

Cited by

CN107140467A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0987203 A2 20000322; **EP 0987203 A3 20001213**; **EP 0987203 B1 20030502**; AT E238954 T1 20030515; CN 1148308 C 20040505; CN 1249260 A 20000405; DE 19842965 A1 20000323; DE 59905295 D1 20030605; ES 2195489 T3 20031201; JP 2000191216 A 20000711; PL 335360 A1 20000327; US 6290452 B1 20010918

DOCDB simple family (application)

EP 99117507 A 19990904; AT 99117507 T 19990904; CN 99120204 A 19990917; DE 19842965 A 19980919; DE 59905295 T 19990904; ES 99117507 T 19990904; JP 26386599 A 19990917; PL 33536099 A 19990910; US 37618199 A 19990817