

Title (en)

DEVICE FOR PRODUCING AND WITHDRAWING STACKS OF PLASTIC BAGS, ESPECIALLY BAGS FOR AUTOMATIC MACHINES

Title (de)

VORRICHTUNG ZUM HERSTELLEN UND ABTRANSPORTIEREN VON STAPELN AUS KUNSTSTOFFBEUTELN, INSBESONDERE AUTOMATENBEUTELN

Title (fr)

DISPOSITIF PERMETTANT DE PRODUIRE ET DE DECHARGER DES PILES DE SACHETS PLASTIQUE, NOTAMMENT DES SACHETS POUR MACHINES AUTOMATIQUES

Publication

EP 1107865 B1 20040714 (DE)

Application

EP 99938361 A 19990728

Priority

- DE 19839144 A 19980828
- DE 19913255 A 19990324
- EP 9905401 W 19990728

Abstract (en)

[origin: WO0012300A1] The invention relates to a device for producing and withdrawing stacks of plastic bags, especially bags for automatic machines, in coordination with a gradually moving pin stack chain (4) from which the bag packages (6) are removed in a simplified and accelerated manner with the aid of a robot (16) that has a multifunctional hand (17) and automatically executes all essential manipulations and/or movements required for the formation and piling of the bag stacks and finally delivers them to an unloading station (62).

IPC 1-7

B31B 19/98

IPC 8 full level

B31B 23/00 (2006.01); **B31B 19/98** (2006.01); **B31B 23/14** (2006.01); **B31B 23/74** (2006.01); **B31B 70/00** (2017.01); **B31B 160/10** (2017.01)

CPC (source: EP US)

B31B 70/00 (2017.07 - EP US); **B31B 70/984** (2017.07 - EP US); **B31B 2160/10** (2017.07 - EP US)

Cited by

WO2010091855A2; WO2010091866A1; DE102010007819A1; DE102010007818A1

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)

WO 0012300 A1 20000309; **WO 0012300 A9 20000810**; AT E270960 T1 20040715; AU 5288899 A 20000321; AU 769047 B2 20040115; CA 2341874 A1 20000309; CA 2341874 C 20040831; DE 19839144 A1 20000406; DE 19839144 B4 20040708; DE 19913255 A1 20000928; DE 59909969 D1 20040819; DK 1107865 T3 20040816; EP 1107865 A1 20010620; EP 1107865 B1 20040714; ES 2224687 T3 20050301; JP 2002523265 A 20020730; US 6711882 B1 20040330

DOCDB simple family (application)

EP 9905401 W 19990728; AT 99938361 T 19990728; AU 5288899 A 19990728; CA 2341874 A 19990728; DE 19839144 A 19980828; DE 19913255 A 19990324; DE 59909969 T 19990728; DK 99938361 T 19990728; EP 99938361 A 19990728; ES 99938361 T 19990728; JP 2000567381 A 19990728; US 76371501 A 20010223