Title (en)
  SYSTEM FOR PLUGGING PAINT CANS

Title (de)
  SYSTEM ZUM VERSCHLIESSEN VON FARBBEHÄLTERN

Title (fr)
  SYSTEME POUR BOUCHER DES BIDONS DE PEINTURE

Publication
  EP 2501625 B1 20140716 (EN)

Application
  EP 10831207 A 20101119

Priority
  • FI 20096208 A 20091120
  • FI 2010050936 W 20101119

Abstract (en)
  [origin: WO2011061403A1] The invention relates to a system for plugging paint cans, which system is arranged to press a hollow, cuplike, elastic plug (3) provided with a protruding circumferential rim (5) into a hole (2) made in a paint can lid (1) in a sealed manner by means of the plug's (3) shape, whereby the circumferential rim (5) of the plug (3) mounted in place is supported to the surface of the paint can lid (1), the system comprising a storage container (6) for plugs (3); a picker (7) for picking one plug (3) at a time from the storage container (6); a gripper (8) for gripping the plug (3) picked from the storage container (6) and for carrying it above a container lid (1) to be closed; and means for performing a mutual vertical movement of the gripper (8) and the paint can in order for thereby pressing the plug (3) into place in a sealed manner in the lid (1) of the paint can.

IPC 8 full level
  B01F 15/02 (2006.01); **B01F 35/71** (2022.01); **B21D 51/26** (2006.01); **B44D 3/00** (2006.01); **B65B 7/16** (2006.01); **B65B 7/28** (2006.01); **B65D 77/20** (2006.01); **B67B 3/22** (2006.01); **B67B 3/28** (2006.01)

CPC (source: EP FI US)
  B44D 3/003 (2013.01 - EP US); **B44D 3/127** (2013.01 - EP FI US); **B65B 7/16** (2013.01 - FI); **B65B 7/2807** (2013.01 - EP FI US); **B65B 7/2821** (2013.01 - EP FI US); **B65D 77/20** (2013.01 - FI)

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

DOCDB simple family (publication)
  WO 2011061403 A1 20110526; DK 2501625 T3 20140908; EP 2501625 A1 20120926; EP 2501625 A4 20130626; EP 2501625 B1 20140716; ES 2497169 T3 20140922; FI 123368 B 20130315; FI 20096208 A0 20091120; FI 20096208 A 20110521; PL 2501625 T3 20150130; US 2012285121 A1 20121115

DOCDB simple family (application)
  FI 2010050936 W 20101119; DK 10831207 T 20101119; EP 10831207 A 20101119; ES 10831207 T 20101119; FI 20096208 A 20091120; PL 10831207 T 20101119; US 201013510574 A 20101119