Title (en)

MACHINE FOR COMPLETING THE UPPER CLOSURE OF A FLAT-BOTTOMED BAG FOR SMALL-SIZED PRODUCTS

Title (de)

VORRICHTUNG ZUR ENDFERTIGUNG DES OBERE ENDES VON SEITENFALTENBEUTELN FÜR KLEINERE GEGENSTÄNDE

Title (fr)

MACHINE SERVANT A EXECUTER LA FERMETURE SUPERIEURE D'UN SAC A FOND PLAT CONCU POUR DES PRODUITS FAIBLEMENT DIMENSIONNES

Publication

EP 1633633 B1 20070801 (EN)

Application

EP 04734684 A 20040525

Priority

• EP 2004005623 W 20040525
• IT MI20031088 A 20030530

Abstract (en)

[origin: WO2004106167A1] The following inventions refers to a machine for completing the upper closure of a flat-bottomed bag for small size products. The machine comprises a conveying unit (1) of the bags (156) and a succession of stations (100, 200, 300 and 400) positioned along a substantially horizontal work path defined by said conveying unit (1). A first station (100) comprises means (45) for expelling air from inside the bag (156). A second station (200) comprises heat sealing means (90-91) to carry out the complete sealing of opposite flaps (138) of the top of the bag, cutting knife (102) for separating from the bag (156) an excess part of said flaps (138) above said sealing and collecting means (95-96) for carrying away said excess part. A third station (300) comprises folding means (136, 138, 141, 145, 150, 157) for folding sideways the sealed flaps (178) of the top of the bag. A fourth station (400) comprises means (173) for securing in position said folded flaps (178) (Fig. 1).

IPC 8 full level

B65B 51/06 (2006.01); **B65B 51/14** (2006.01); **B65B 61/24** (2006.01)

CPC (source: EP)

B65B 51/062 (2013.01); **B65B 51/146** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004106167 A1 20041209; AT E368617 T1 20070815; BR PI0411192 A 20060725; BR PI0411192 B1 20141118; DE 602004007918 D1 20070913; EP 1633633 A1 20060315; EP 1633633 B1 20070801; ES 2291879 T3 20080301; IT MI20031088 A0 20030530; IT MI20031088 A1 20041130

DOCDB simple family (application)

EP 2004005623 W 20040525; AT 04734684 T 20040525; BR PI0411192 A 20040525; DE 602004007918 T 20040525; EP 04734684 A 20040525; ES 04734684 T 20040525; IT MI20031088 A 20030530