

Title (en)
Method for manufacturing draw string bags

Title (de)
Verfahren zur Herstellung von Zugbandbeuteln

Title (fr)
Procédé de fabrication de sacs à cordon de fermeture

Publication
EP 2275356 A1 20110119 (EN)

Application
EP 09165531 A 20090715

Priority
EP 09165531 A 20090715

Abstract (en)
Method for manufacturing draw string bags comprising the steps of providing a plastic material, extruding the plastic material to a longitudinal tubular foil (2), cutting (104) longitudinally at least two strips (10, 11) from said tubular foil, thereby providing a U-profiled foil (3) having two legs with an inner side (16), an outer side (17) and a free cut edge (18), leading (106) the at least two strips on either outer side of said legs adjacent the free cut edge, folding (108) the foil adjacent the free cut edges over said strips to form hems (8) and sealing the hems (8) to form tubular channels (19) in which the strips extend, thus forming draw strings (9), and sealing (110) transversely the U-profiled foil to provide a plurality of bags.

IPC 8 full level
B65D 33/28 (2006.01); **B31B 19/90** (2006.01)

CPC (source: EP US)
B31B 70/00 (2017.07 - EP US); **B65D 33/28** (2013.01 - EP); **B31B 70/8135** (2017.07 - EP); **B31B 70/8137** (2017.07 - EP);
B31B 2155/00 (2017.07 - EP); **B31B 2155/003** (2017.07 - EP); **B31B 2160/10** (2017.07 - EP US)

Citation (applicant)
US 3196757 A 19650727 - BRUCE SAMWAYS

Citation (search report)
• [XAY/I] EP 0348823 A2 19900103 - STIEGLER MASCHF GMBH [DE]
• [Y] US 5057065 A 19911015 - BUCHMAN JAMES E [US]
• [A] DE 1704398 A1 19710902 - GOTTLIEB WIEDMANN KG
• [A] US 3772968 A 19731120 - RUDA R

Cited by
EP3967486A1; CN110126350A; FR3021034A1; US10464702B2; WO2015173340A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2275356 A1 20110119; DK 2454163 T3 20180514; EP 2454163 A1 20120523; EP 2454163 B1 20180124; ES 2667023 T3 20180509;
PL 2454163 T3 20180928; WO 2011006505 A1 20110120

DOCDB simple family (application)
EP 09165531 A 20090715; DK 10734024 T 20100713; DK 2010050185 W 20100713; EP 10734024 A 20100713; ES 10734024 T 20100713;
PL 10734024 T 20100713