

Title (en)

Tensioning device and use of same for labelling objects, method for labelling objects

Title (de)

Spannvorrichtung und Verwendung einer Spannvorrichtung zum Etikettieren von Gegenständen, Verfahren zum Etikettieren von Gegenständen

Title (fr)

Dispositif de serrage et utilisation d'un dispositif de serrage pour l'étiquetage d'objets, procédé d'étiquetage d'objets

Publication

EP 2199219 A3 20120418 (DE)

Application

EP 09176223 A 20091117

Priority

DE 102008055562 A 20081219

Abstract (en)

[origin: EP2199219A2] The device (20) has two articulated widening jaws (22a, 22b) that engage an inner surface of a label sleeve and are movable in a radial direction towards and away from each other. A third widening jaw (22c) and a fourth widening jaw (22d) are movably arranged between the two widening jaws such that the third and the fourth jaws engage the inner surface. An articulated support (37) carries the third and the fourth jaws and has two movable levers (38a, 38b) that are pivotably connected with each other via a common pivot (50). An independent claim is also included for a method for labeling objects.

IPC 8 full level

B65C 3/06 (2006.01)

CPC (source: EP US)

B65C 3/065 (2013.01 - EP US); **Y10T 29/53657** (2015.01 - EP US); **Y10T 29/539** (2015.01 - EP US); **Y10T 29/53935** (2015.01 - EP US); **Y10T 156/1028** (2015.01 - EP US); **Y10T 428/1331** (2015.01 - EP US)

Citation (search report)

- [X] US 2001002614 A1 20010607 - MENAYAN VICTOR V [US]
- [X] FR 2685677 A1 19930702 - TMC [FR]
- [X] DE 202005018176 U1 20060601 - STRAUS JOERN [DE]
- [X] US 5588278 A 19961231 - WYNN ED [US], et al
- [X] JP H09272503 A 19971021 - UEDA HITOSHI
- [A] EP 0637546 A1 19950208 - PROTECTION DECORATION CONDITIO [FR]
- [A] US 3393633 A 19680723 - HOFFMAN HENRY R, et al
- [A] EP 0547754 A2 19930623 - AUTOMATED LABEL SYST CO [US]

Cited by

DE102010037549A1; EP2431282A1; EP2610186A1; EP2602199A1; CN102442449A

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

DOCDB simple family (publication)

EP 2199219 A2 20100623; EP 2199219 A3 20120418; EP 2199219 B1 20140416; CN 101746535 A 20100623; CN 101746535 B 20140625; DE 102008055562 A1 20100624; US 2010159169 A1 20100624; US 8584334 B2 20131119

DOCDB simple family (application)

EP 09176223 A 20091117; CN 200910254096 A 20091218; DE 102008055562 A 20081219; US 63219709 A 20091207