

Title (en)

Automatic straw dispensing method and device

Title (de)

Automatisches Trinkhalmausgabeverfahren und -gerät

Title (fr)

Méthode et appareil pour la distribution automatique de chalumeaux

Publication

EP 1258435 A1 20021120 (EN)

Application

EP 01111851 A 20010516

Priority

EP 01111851 A 20010516

Abstract (en)

A method and device (1) for automatically dispensing straws (2), whereby a cartridge belt (11) of straws (2) - defined by a flexible belt (12) narrower than the length of the straws (2) and having a succession of transverse tubular seats (13) equally spaced along the flexible (12) and housing respective straws (2) in axially sliding manner - is fed in steps along a path (P) extending through a withdrawal station (18) where a feed device (15) and an extracting device (19) respectively provide, each time they are activated, for feeding the flexible belt (12) one step forward and sliding a straw (2a) partly along the respective tubular seat (13) into a withdrawal position. <IMAGE> <IMAGE>

IPC 1-7

B65D 83/02; **A47F 1/12**; **A47G 21/18**

IPC 8 full level

A47F 1/06 (2006.01); **A47F 1/12** (2006.01); **A47G 19/30** (2006.01); **B65D 83/02** (2006.01)

CPC (source: EP)

A47G 21/184 (2013.01); **B65D 83/02** (2013.01)

Citation (search report)

- [A] US 3519166 A 19700707 - YINGST THOMAS O, et al
- [A] US 1907628 A 19330509 - WALSH JAMES P
- [A] US 5067629 A 19911126 - SCHWARTZ WILLIAM K
- [A] US 4550857 A 19851105 - CASTNER SR J FRED [US], et al
- [AD] US 3968901 A 19760713 - PEVA JR STANLEY W
- [AD] US 4789081 A 19881206 - MOBBS CHRISTOPHER R [AU]
- [AD] WO 0047500 A1 20000817 - HAMMER CORP [US], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1258435 A1 20021120; **EP 1258435 B1 20060315**; AT E320391 T1 20060415; DE 60117887 D1 20060511; DE 60117887 T2 20060928; ES 2257354 T3 20060801; WO 02092463 A1 20021121

DOCDB simple family (application)

EP 01111851 A 20010516; AT 01111851 T 20010516; DE 60117887 T 20010516; EP 0205367 W 20020515; ES 01111851 T 20010516