

Title (en)

Apparatus and method for forming a block of folded material

Title (de)

Vorrichtung und Verfahren zur Herstellung eines Blocks von gefaltetem Material

Title (fr)

Appareil et procédé de fabrication d'un bloc de matériau plié

Publication

EP 1138624 A1 20011004 (EN)

Application

EP 01104325 A 20010223

Priority

- EP 01104325 A 20010223
- EP 0002873 W 20000331

Abstract (en)

An apparatus and a method for forming a block (5) of folded material are provided, whereby the apparatus comprises means (2, 3) for folding a web (4) to a block (5), means (10) for holding an end (7, 7') of the web (4) from the bottom layer of the block (5) and an automatic cutting mechanism (9, 11, 13) for providing an end portion (14) from the uppermost layer of the block (5). According to the method a web (4) on a receiving element (6) is folded until a portion of the web (4) forms a block (5) of desired height and the uppermost web layer is fed to a cutting mechanism (9, 11, 13). Then the uppermost web layer is cut and the end portion (7, 7') from the bottom layer of the block (5) is at least partly laid on top of the block (5). Due to the inventive apparatus and method it is possible to automatically handle web material for forming a block without manual operation, which is particularly important for hygienic products. <IMAGE>

IPC 1-7

B65H 45/101

IPC 8 full level

B65H 45/101 (2006.01)

CPC (source: EP)

B65H 45/101 (2013.01); **B65H 2301/42162** (2013.01)

Citation (search report)

- [DA] WO 9858864 A1 19981230 - STAC PAC TECH INC [BB], et al
- [A] US 6009689 A 20000104 - O'CONNOR LAWRENCE J [CA]
- [A] US 4499707 A 19850219 - DESJOBERT GILLES [FR], et al

Cited by

CN110482308A; CN103787132A

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 1138624 A1 20011004; EP 1138624 B1 20040512

DOCDB simple family (application)

EP 01104325 A 20010223