

Title (en)

Automatic roll wrapper removing apparatus and method.

Title (de)

Automatische Vorrichtung und Verfahren zum Entfernen der Hülle von einer Rolle.

Title (fr)

Machine automatique et procédé pour enlever la feuille d'enveloppement d'un rouleau.

Publication

EP 0528351 A1 19930224 (EN)

Application

EP 92113762 A 19920812

Priority

US 74429291 A 19910813

Abstract (en)

Method and apparatus for cutting a wrapper on a cylindrical roll (R) in which a blade (36) has a pointed tip joined to an inclined edge extending outwardly and an opposite smooth surface, the blade being moved under the outer wrap of the wrapper but outward of the material of the roll and continuing to be moved along a predetermined path along the length of the roll, with the inclined edge cutting the outer wrapper. The blade is positioned perpendicular to the roll and circumferentially from the outer end of the wrapper. A track having gauge rails (34) resting on the roll (R) spaces the tip of the blade (36) a predetermined distance outwardly from the roll. A gathering device is provided for removing and flattening the cut wrapper. <IMAGE> <IMAGE>

IPC 1-7

B26D 1/04; **B26D 7/27**; **B65B 69/00**

IPC 8 full level

B26D 1/04 (2006.01); **B26D 7/27** (2006.01); **B65B 69/00** (2006.01)

CPC (source: EP)

B26D 1/045 (2013.01); **B26D 7/27** (2013.01); **B65B 69/0033** (2013.01)

Citation (search report)

- [X] US 4821971 A 19890418 - WATANABE TAKEMI [JP], et al
- [X] US 3521347 A 19700721 - BENTLEY ELDON R
- [A] US 4721263 A 19880126 - MIYAZAKI MASARU [JP]

Cited by

EP1840064A3; EP0634329A1; US5467676A; FR2908389A1; EP1923315A1; CN109850292A; US11458646B2; WO9525040A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0528351 A1 19930224; CA 2075568 A1 19930214; FI 923606 A0 19920812; FI 923606 A 19930214; JP H07205947 A 19950808

DOCDB simple family (application)

EP 92113762 A 19920812; CA 2075568 A 19920807; FI 923606 A 19920812; JP 21609692 A 19920813