

Title (en)
DEVICE FOR GATHERING AND COMPACTING PAPER TOWELS

Title (de)
VORRICHTUNG ZUM SAMMELN UND VERDICHTEN VON PAPIERHANDTÜCHERN

Title (fr)
DISPOSITIF POUR COLLECTER ET COMPACTER DES SERVIETTES EN PAPIER

Publication
EP 1280716 A1 20030205 (DE)

Application
EP 01936339 A 20010508

Priority
• DE 20008088 U 20000508
• EP 0105210 W 20010508

Abstract (en)
[origin: US2003121425A1] The invention relates to a device (10) for gathering and compacting compactible goods such as paper towels. Said device comprises a housing (12) provided with an opening (14) appointed for supplying the goods, with a holder (16) for holding the compactible goods, and with a compacting element (18). Said compacting element extends above the holder, can pivot around an arbor (22) and can compact the goods between the holder bottom and the compacting element. The aim of the invention is to permit, with a high degree of reliability, a problem-free compacting of goods using constructively simple measures. To this end, the invention provides that a drive (34) with a gearing (36) exits the compacting element (18). In order to pivot the compacting element, said gearing meshes with a denticulated element (42) that curves around the arbor (22) serving as a center of curvature.

IPC 1-7
B65F 1/14; **B30B 9/30**

IPC 8 full level
A47K 10/46 (2006.01); **B30B 1/24** (2006.01); **B30B 9/30** (2006.01); **B65F 1/14** (2006.01)

CPC (source: EP US)
A47K 10/46 (2013.01 - EP US); **B30B 1/24** (2013.01 - EP US); **B30B 9/3067** (2013.01 - EP US); **B65F 1/1405** (2013.01 - EP US)

Citation (search report)
See references of WO 0185576A1

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)
US 2003121425 A1 20030703; **US 6763762 B2 20040720**; AT E272012 T1 20040815; AU 6227201 A 20011120; CA 2402447 A1 20011115; CZ 20023633 A3 20050216; CZ 294713 B6 20050216; DE 20008088 U1 20001207; DE 50103008 D1 20040902; EP 1280716 A1 20030205; EP 1280716 B1 20040728; ES 2225547 T3 20050316; SK 15922002 A3 20030401; WO 0185576 A1 20011115

DOCDB simple family (application)
US 25794002 A 20021022; AT 01936339 T 20010508; AU 6227201 A 20010508; CA 2402447 A 20010508; CZ 20023633 A 20010508; DE 20008088 U 20000508; DE 50103008 T 20010508; EP 0105210 W 20010508; EP 01936339 A 20010508; ES 01936339 T 20010508; SK 15922002 A 20010508