

Title (en)

DEVICE FOR DISTRIBUTING ZIG-ZAG-FOLDED SANITARY MATERIALS FROM FLAT WOUND WEBS

Publication

**EP 0340124 B1 19920415 (FR)**

Application

**EP 89420142 A 19890420**

Priority

- FR 8805939 A 19880426
- FR 8807823 A 19880606

Abstract (en)

[origin: EP0340124A1] This device is noteworthy in that it is equipped with a support (S) receiving the wiping material presented flat and wound on a reel, a component (C) for returning and conforming the web, means (1c) (2c) of concertinaing the web unreeled from the said support within the device and means (4) to (7) for guiding and driving the said concertinaed web towards the exit of the device when the emerging end is pulled manually. <IMAGE>

IPC 1-7

**B65H 35/00**

IPC 8 full level

**A47K 10/34** (2006.01); **A47K 10/36** (2006.01); **A47K 10/38** (2006.01); **B65H 35/00** (2006.01); **B65H 37/06** (2006.01); **B65H 45/22** (2006.01); **B65H 45/24** (2006.01)

CPC (source: EP KR US)

**A47K 10/24** (2013.01 - KR); **A47K 10/3637** (2013.01 - EP US); **B65H 35/0006** (2013.01 - EP US); **B65H 35/006** (2013.01 - EP US); **B65H 37/06** (2013.01 - EP US); **B65H 45/22** (2013.01 - EP US); **Y10T 83/4807** (2015.04 - EP US); **Y10T 83/4812** (2015.04 - EP US); **Y10T 225/371** (2015.04 - EP US)

Cited by

US6409067B1; GB2243598A; GB2243598B; WO0020313A1

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0340124 A1 19891102**; **EP 0340124 B1 19920415**; AU 3338789 A 19891102; AU 624605 B2 19920618; CA 1334396 C 19950214; DE 68901209 D1 19920521; ES 2030995 T3 19921116; FR 2632292 A2 19891208; FR 2632292 B2 19911004; GR 3004112 T3 19930331; JP 2763331 B2 19980611; JP H02152873 A 19900612; KR 0136865 B1 19980515; KR 890015708 A 19891125; OA 09072 A 19911031; US 5013291 A 19910507; US 5147279 A 19920915

DOCDB simple family (application)

**EP 89420142 A 19890420**; AU 3338789 A 19890424; CA 592525 A 19890302; DE 68901209 T 19890420; ES 89420142 T 19890420; FR 8807823 A 19880606; GR 920400479 T 19920319; JP 10569389 A 19890425; KR 890005505 A 19890426; OA 59568 A 19890426; US 22440888 A 19880726; US 64172391 A 19910115