

Title (en)

A TOWEL DISPENSING APPARATUS FOR MAKING EXTERNALLY AVAILABLE AND RECOVERING A LENGTH OF TOWEL

Publication

**EP 0138562 A3 19850619 (EN)**

Application

**EP 84306889 A 19841009**

Priority

IT 2330983 A 19831014

Abstract (en)

[origin: EP0138562A2] The apparatus comprises a rear plate (5) and two covers (6, 7) and progressively makes available at the outside a length of a towel band (40) by unwinding the same from a supply roll (11), at the same time recovering an equal length of soiled towel and winding it over a second roll (12), both rolls being housed within the apparatus. The apparatus comprises towel dispensing means (55, 50, 70) and recovery or take-up means (57, 58), the latter being coupled through a kinematic chain (110, 105, 135) to the former. An energy accumulating device (150) is partially loaded at each user's pull operation and released by the trailing end of the clean towel passing by a sensing plate (181) equipped with detecting blades (184). After the passage of the trailing end, the blades (184) engage gaps provided between each two roller sections (63) forming one (170) of the dispensing rollers, thereby elastically returning a pair of parallel levers (305, 306) to a disengaged position wherein a pin (92) carried by one (306) of the levers releases the accumulator (150) that in turn, via gear wheels (155, 160, 157) causes an additional rotation of one (57) of the take-up rollers pulling the trailing portion of the soiled towel (40) within the dispenser.

IPC 1-7

**A47K 10/28**

IPC 8 full level

**A47K 10/30** (2006.01); **A47K 10/28** (2006.01)

CPC (source: EP)

**A47K 10/28** (2013.01)

Citation (search report)

- [AD] EP 0059893 A2 19820915 - STEINER CO INT SA [CH]
- [AD] US 3893738 A 19750708 - BAHNSEN ERWIN B
- [A] US 3858953 A 19750107 - BAHNSEN ERWIN B

Cited by

CN108371507A; EP1053712A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**EP 0138562 A2 19850424; EP 0138562 A3 19850619; EP 0138562 B1 19890315;** AT E41297 T1 19890415; DE 3477129 D1 19890420; DK 491784 A 19850415; DK 491784 D0 19841012; ES 536742 A0 19851016; ES 8600910 A1 19851016; FI 844025 A0 19841012; FI 844025 L 19850415; IT 1169575 B 19870603; IT 8323309 A0 19831014; IT 8323309 A1 19850414; JP H047212 B2 19920210; JP S60137331 A 19850720; NO 844084 L 19850415

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