

Title (en)
TOWEL DISPENSER AND PROCESS FOR OPERATING IT

Publication
EP 0283554 B1 19911016 (DE)

Application
EP 87113692 A 19870918

Priority
CH 386286 A 19860926

Abstract (en)
[origin: EP0283554A1] The towel dispenser expediently consists of two towel units, of which, however, each unit is fully operable on its own. In this case, the towel (7) is guided over a delivery cylinder (20) into a feed cylinder (25). When the towel (7) is pulled out to form a towel loop (8), the delivery cylinder (15) is also rotated and likewise the feed cylinder (25) via an envelope pinion (32). Arranged in the feed shaft (30) is a spring power store (36) which is stressed when the towel is pulled out. The length of the towel which can be pulled out is limited by a cam wheel (43) and a latch (44). Since part of the used towel which is wound up by the feed cylinder (25) can be withdrawn, the length of the clean towel to be pulled out can be kept smaller. After a certain period of time, a timer releases the latch (44), by which means the spring power store sets the feed cylinder (25) in rotary motion and the towel loop (8) is wound up. <IMAGE>

IPC 1-7
A47K 10/28

IPC 8 full level
A47K 10/30 (2006.01); **A47K 10/28** (2006.01); **B65H 16/10** (2006.01); **B65H 18/16** (2006.01)

CPC (source: EP US)
A47K 10/28 (2013.01 - EP US)

Cited by
CH677071A5; AU619655B2; NL1000524C2; AU700291B2; GB2259905A; GB2259905B; CH681350A5; US5573318A; WO9641562A1; WO9009136A1; WO9117691A1; EP3838089A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0283554 A1 19880928; EP 0283554 B1 19911016; AT E68327 T1 19911115; AU 601213 B2 19900906; AU 7847287 A 19880331; BR 8704940 A 19880517; CA 1313645 C 19930216; CH 672409 A5 19891130; CN 1023062 C 19931215; CN 87106686 A 19880413; DE 3773905 D1 19911121; DK 171805 B1 19970616; DK 504387 A 19880327; DK 504387 D0 19870925; ES 2026504 T3 19920501; FI 84426 B 19910830; FI 84426 C 19911210; FI 874220 A0 19870925; FI 874220 A 19880327; HK 43192 A 19920619; IE 59244 B1 19940126; IE 872582 L 19880326; JP 2609872 B2 19970514; JP S63252852 A 19881019; NO 165475 B 19901112; NO 165475 C 19910220; NO 874033 D0 19870925; NO 874033 L 19880328; NZ 221834 A 19900726; SG 36092 G 19920522; US 4818042 A 19890404; ZA 876960 B 19880321

DOCDB simple family (application)
EP 87113692 A 19870918; AT 87113692 T 19870918; AU 7847287 A 19870916; BR 8704940 A 19870925; CA 547808 A 19870925; CH 386286 A 19860926; CN 87106686 A 19870926; DE 3773905 T 19870918; DK 504387 A 19870925; ES 87113692 T 19870918; FI 874220 A 19870925; HK 43192 A 19920611; IE 258287 A 19870925; JP 24241787 A 19870925; NO 874033 A 19870925; NZ 22183487 A 19870916; SG 36092 A 19920326; US 9982587 A 19870923; ZA 876960 A 19870916