

Title (en)

AUTOMATIC OR SEMIAUTOMATIC WIPING MATERIAL AND TOILET PAPER DISPENSING APPARATUS

Title (de)

AUTOMATISCH- ODER HALBAUTOMATISCHBETRIEBENER MATERIALSPENDER FÜR ABWISCH- UND TOILETTENPAPIER

Title (fr)

APPAREIL DISTRIBUTEUR DE MATERIAU D'ESSUYAGE ET PAPIER TOILETTE A FONCTIONNEMENT AUTOMATIQUE OU SEMI-AUTOMATIQUE

Publication

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Application

**EP 99909060 A 19990322**

Priority

- FR 9900656 W 19990322
- FR 9805453 A 19980424

Abstract (en)

[origin: US6378725B1] The invention concerns an apparatus characterized in that the drum (6) has on an angular sector (alpha) of its periphery a zone (17) with increased thickness capable of being in contact with the pressing means (11) substantially retractable in position through a float mounting to absorb the drum thickness modifications, in rotating phase when the material strip is pulled up to its cutting line.

IPC 1-7

**A47K 10/36**

IPC 8 full level

**A47K 10/36** (2006.01)

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**US 6378725 B1 20020430**; AT E229770 T1 20030115; AU 2844399 A 19991116; AU 745237 B2 20020314; BR 9909886 A 20001226; CA 2326237 A1 19991104; CN 1112159 C 20030625; CN 1298286 A 20010606; DE 69904582 D1 20030130; DE 69904582 T2 20031120; DK 1073360 T3 20030414; EP 1073360 A1 20010207; EP 1073360 B1 20021218; ES 2189397 T3 20030701; FR 2777770 A1 19991029; FR 2777770 B1 20000616; JP 2002512828 A 20020508; KR 20010071164 A 20010728; TW 431877 B 20010501; WO 9955214 A1 19991104

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