

Title (en)  
ELECTRONICALLY CONTROLLED ROLL TOWEL DISPENSER

Title (de)  
ELEKTRONISCH GESTEUERTER SPENDER FÜR AUFGEROLLTE HANDTÜCHER

Title (fr)  
DISTRIBUTEUR D'ESSUIE-MAINS A ROULEAU ELECTRONIQUE

Publication  
**EP 1202924 A1 20020508 (EN)**

Application  
**EP 00926230 A 20000420**

Priority  
• US 0010761 W 20000420  
• US 13013799 P 19990420  
• US 15900699 P 19991011

Abstract (en)  
[origin: WO0063100A1] An electronically controlled roll tower dispenser (10) with a data communication system. The dispenser automatically dispenses a predetermined length of paper toweling from the supply roll (70) after a length of toweling has been detached by a user pulling and tearing the protruding toweling against a stationary cutting blade. The dispenser is battery powered by an electric motor, an electromechanical dispensing mechanism, and an embedded microcontroller for controlling and monitoring operation of the dispenser. In addition to primary control functions, the microcontroller monitors parameters such as battery condition, towel usage, system status, system errors, and unsafe operating conditions. Pushbutton switches (132, 134, 136, 138) are also provided for programming towel length and the dispense delay. The dispenser further includes an optical transmitter for transmitting visual and infrared data to a receiving device. Useful information about the status of the dispenser can be visibly discerned by an operator through the use of primitive low-speed flash patterns, while high-speed infrared digital data can be simultaneously embedded in or multiplexed with the visible data.

IPC 1-7  
**B65H 26/06**

IPC 8 full level  
**A47K 10/36** (2006.01)

CPC (source: EP)  
**A47K 10/36** (2013.01); **A47K 10/3612** (2013.01); **A47K 10/3625** (2013.01); **A47K 2010/3881** (2013.01)

Cited by  
US9878869B2; US10604374B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0063100 A1 20001026**; AT E326418 T1 20060615; AU 4479400 A 20001102; AU 762377 B2 20030626; BR 0009890 A 20020122; CA 2370790 A1 20001026; CA 2370790 C 20071113; DE 60028043 D1 20060622; DE 60028043 T2 20061221; EP 1202924 A1 20020508; EP 1202924 A4 20030507; EP 1202924 B1 20060517; ES 2265343 T3 20070216; MX PA01010615 A 20021104; NZ 514885 A 20040227

DOCDB simple family (application)  
**US 0010761 W 20000420**; AT 00926230 T 20000420; AU 4479400 A 20000420; BR 0009890 A 20000420; CA 2370790 A 20000420; DE 60028043 T 20000420; EP 00926230 A 20000420; ES 00926230 T 20000420; MX PA01010615 A 20000420; NZ 51488500 A 20000420