

Title (en)
THREADING OF A FLAT MATERIAL STRIPS INTO A TOWEL DISPENSER

Title (de)
EINFÄDELUNG VON FLÄCHIGEM BANDMATERIAL IN EINEM HANDTUCHSPENDER

Title (fr)
INSERTION DU DEBUT D'UNE BANDE PLATE DE MATERIAU DANS UN DISTRIBUTEUR D'ESSUIE-MAINS

Publication
EP 0821561 A1 19980204 (DE)

Application
EP 96908987 A 19960417

Priority
• CH 9600141 W 19960417
• CH 112195 A 19950419

Abstract (en)
[origin: WO9632874A1] Towel dispensers installed in public washrooms have the disadvantage of being cumbersome to handle, in particular when exchanging used towel rollers. In the disclosed process, the beginning of a towel is threaded for example by closing the lid of the apparatus, triggering a movement or rotation and guiding and rolling the towel after forming a loop. An appropriate device has roller (7, 8, 11), a roller (7) mounted on the rear wall and a roller (11) mounted on the side wall of the dispenser (1). Conveyor and guiding elements (14; 15) separate clean material (2) from used material (2'). The invention may be combined with known components of already installed towel dispensers, providing the same with an automatic towel threading capacity.

IPC 1-7
A47K 10/28

IPC 8 full level
A47K 10/28 (2006.01)

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

Cited by
US6607160B2

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

DOCDB simple family (publication)
WO 9632874 A1 19961024; AT E194059 T1 20000715; AU 5267196 A 19961107; CA 2217371 A1 19961024; CH 689782 A5 19991115; CN 1099272 C 20030122; CN 1182356 A 19980520; CZ 317197 A3 19990113; DE 59605510 D1 20000803; EP 0821561 A1 19980204; EP 0821561 B1 20000628; HK 1005219 A1 19981231; HU P9801588 A2 19981130; HU P9801588 A3 19990329; JP 3710819 B2 20051026; JP H11503634 A 19990330; KR 100418690 B1 20040623; KR 19980703899 A 19981205; NO 325196 B1 20080218; NO 974825 D0 19971017; NO 974825 L 19971017; PL 322902 A1 19980302; SK 141397 A3 19980909; US 6267460 B1 20010731

DOCDB simple family (application)
CH 9600141 W 19960417; AT 96908987 T 19960417; AU 5267196 A 19960417; CA 2217371 A 19960417; CH 112195 A 19950419; CN 96193392 A 19960417; CZ 317197 A 19960417; DE 59605510 T 19960417; EP 96908987 A 19960417; HK 98103830 A 19980505; HU P9801588 A 19960417; JP 53138196 A 19960417; KR 19970707300 A 19971015; NO 974825 A 19971017; PL 32290296 A 19960417; SK 141397 A 19960417; US 48871800 A 20000120