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## EUROPEAN PATENT APPLICATION

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### (54) TOWEL DISPENSER

(57) A paper towel dispenser (1) is provided in which a towel (T) to be dispensed is supported by a support roller (37). The paper towel dispenser (1) further comprises a cover (17) to which a biasing member (87) is coupled. The biasing member (87) is displaced to a first

position for biasing the towel (T) against the support roller when the cover (17) is closed; and/or the biasing member is displaced to a second position for facilitating the loading of the towel (T) when the cover (17) is open.

### SECTION A'-A'

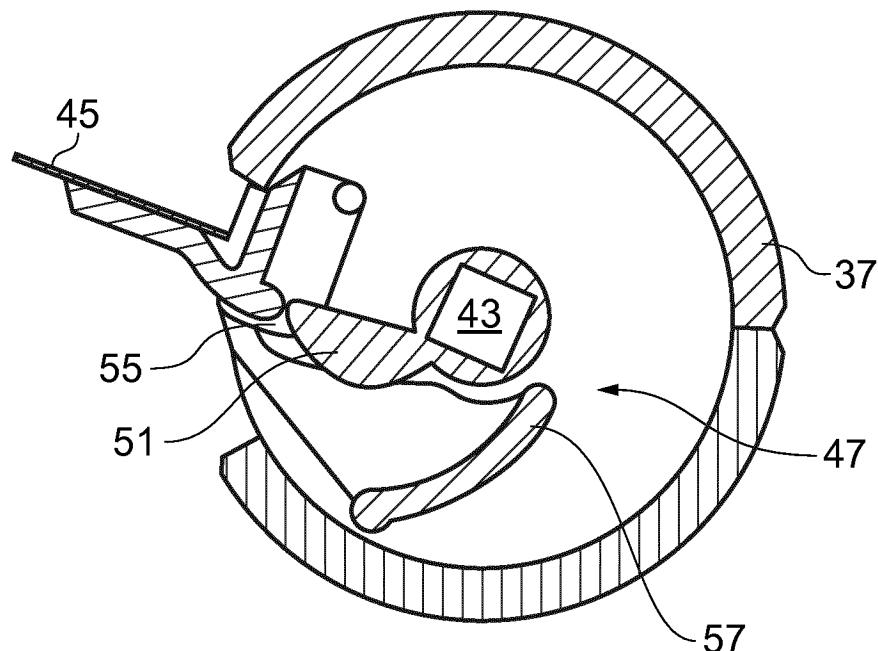


FIG. 5A



## EUROPEAN SEARCH REPORT

**Application Number**

EP 17 15 7277

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	FR 2 828 084 A1 (GRANGER MAURICE [FR]) 7 February 2003 (2003-02-07) * page 13 - page 14; figure 1 * -----	1-15	INV. A47K10/36
X	US 6 079 305 A (BLOCH NATHAN D [US] ET AL) 27 June 2000 (2000-06-27) * columns 2,8; figures 1,3,14,15,22,26 *	1-15	
X	US 2003/110915 A1 (KAPILOFF DAVID WAYNE [US] ET AL) 19 June 2003 (2003-06-19) * paragraphs [0035], [0055]; figures 2,3,10,11 *	1-15	
A	DE 203 03 395 U1 (BEHRENDT FRANK [DE]) 10 July 2003 (2003-07-10) * figure 1 *	1	
	-----		TECHNICAL FIELDS SEARCHED (IPC)
			A47K
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	12 December 2017	Boyer, Olivier	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
O : non-written disclosure	L : document cited for other reasons		
P : intermediate document	S : member of the same patent family, corresponding document		



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## CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

## LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

1-15

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION**  
**SHEET B**

Application Number  
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-15

Actuation of a cutter blade of a support roller each time it completes a predetermined number of revolutions in order to minimize the diameter of the support roller.

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2. claims: 16-31, 33

Facilitating the loading of towel in a dispenser having a cover.

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3. claim: 32

Transferring towel from the second roll onto the support roller upon depletion of the first roll.

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 17 15 7277

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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EPO FORM P0459  
For more details about this annex : see Official Journal of the European Patent Office, No. 12/82