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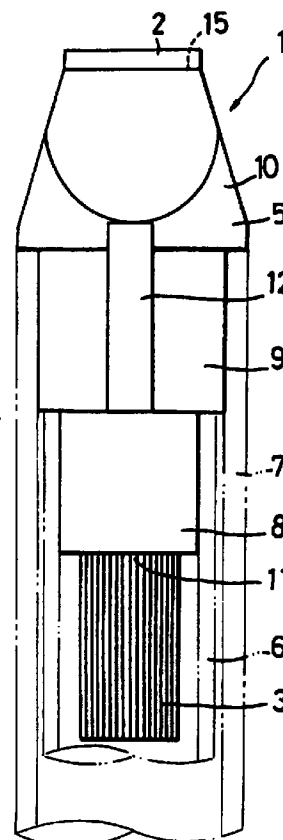
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(54) Liquid applicator

(57) The invention provides an improved liquid applicator (1) using a roller (2) which is effectively prevented from being disengaged from the housing thereof. The improved liquid applicator provides very smooth flow of ink from the initial touch of drawing without generating scratchy effect. The improved liquid applicator (1) introduces a roller (2) in place of a conventional ball of a ball pen. The roller is of hollow structure. The roller-storing portion is tapered in double steps. The liquid applicator incorporates a relay core (3). Tip of the relay core comes into contact with the roller in the roller-storing portion to press the roller in the direction of the tip aperture of the roller-storing portion.

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	CH-A-232 387 (CAMBRIA) * the whole document *	1, 2, 5, 13-17	B43K8/20 A45D34/04
Y	---	7	
Y	US-A-4 129 391 (GAMACHER) * abstract; figures *	7	
X	DE-A-27 09 852 (DIEMANN) * the whole document *	1	
Y	---	2, 5, 13	
Y	GB-A-643 626 (MIECZYSLAW) * the whole document *	2, 5, 13	
A	DE-U-85 20 507 (GLASA) * claims; figures *	2, 13	
A	DE-A-31 21 948 (IDEE DEIGN) * figures *	6	
A	FR-A-2 160 697 (GULESIAN) * claims *	7	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
X	FR-A-1 557 051 (SIMON) * figures *	3, 8, 18	B43K A45D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 November 1995	Examiner Perney, Y
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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