

**EUROPEAN PATENT APPLICATION**

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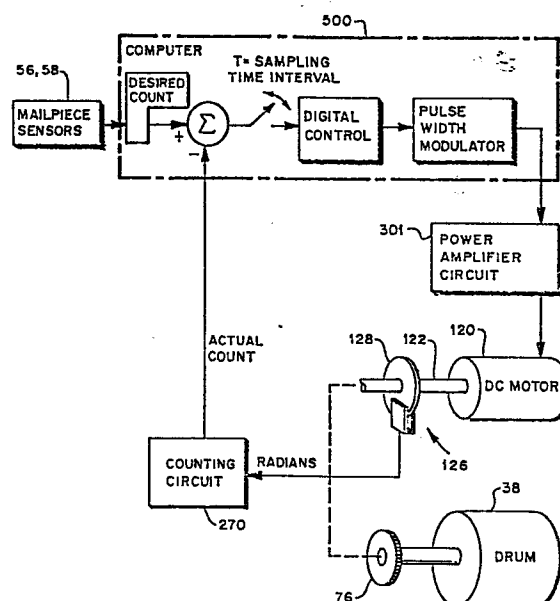
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**Postage meter apparatus having microprocessor-controlled D.C. motor and process for use therewith.**

A postage meter includes a rotary drum (38) having a periphery adapted for feeding a sheet in a path of travel. A first device (56, 58) senses a time interval during which a sheet is linearly displaced a predetermined distance in the path of travel. A d.c. motor (120) is coupled to the drum for rotation of the drum (38), and a second device (126) senses angular displacement of the drum (38). A computer (500) coupled to the first and second sensing devices (56, 58, 126) and to the d.c. motor (120) responds to the first sensing device (56, 58) for providing respective amounts representative of desired angular displacements of the drum (38) during successive sampling time periods, responds to the second sensing device (126) for providing respective amounts representative of actual angular displacements of the drum (38) during successive sampling time periods, compensates for the difference between desired and actual angular displacements and generates a d.c. motor control signal for controlling rotation of the motor (120) to cause the linear displacement of the periphery of the drum (38) to substantially match the linear displacement of the sheet during respective sampling time periods. The computer (500) may also generate a d.c. motor control signal for controlling rotation of the motor (120) to cause the linear displacement of indicia printing means of the drum to initially engage the sheet in the path of travel a predetermined marginal distance from the leading edge of the sheet.





European Patent  
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# EUROPEAN SEARCH REPORT

0177057

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 85112601.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 24, no. 10, March 1982, New York  B.R.CAVILL, D. DODGEN AND D.C. THOMAS "Closed loop stepper control with auto synchronization of encoder feedback" pages 5013-5014	1,4,5, 9,16, 19,24, 25,41, 44,47, 48	G 07 B 17/02 H 02 P 8/00 B 41 F 13/00
A	* Totality *  --	26,29, 30,34	
Y	US - A - 4 016 467 (HALLENBECK)  * Totality *  --	1,4,5, 9,16, 19,24, 25,41, 44,47, 48	
A	DE - A1 - 2 946 861 (HETZEL)  * Fig. *	1,4,5, 14,16, 18,26, 29,30, 41,43, 44,47	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	US - A - 4 263 537 (BETTIN)  * Fig. 1-8; abstract; column 7, lines 16-47; column 9, line 46 - column 10, line 42 *  ----	1,4,5, 9,16, 24,26, 29,30, 34,41, 44,47	G 07 B 17/00 H 02 P 8/00 G 05 B 13/00 B 41 F 13/00 G 06 F 15/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 26-03-1987	Examiner DRÖSCHER
<b>CATEGORY OF CITED DOCUMENTS</b>			
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		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	