

Title (en)  
Electronic postage meter arrangement controlled by a microprocessor system.

Title (de)  
Von einem Mikroprozessorsystem gesteuerte elektronische Frankiereinrichtung.

Title (fr)  
Dispositif d'affranchissement électronique contrôlé par un système à microprocesseur.

Publication  
**EP 0085385 A2 19830810 (EN)**

Application  
**EP 83100639 A 19830125**

Priority  
US 34387782 A 19820129

Abstract (en)  
An electronic postage meter has an accounting unit with redundant nonvolatile random access memories (20, 21) controlled by a microprocessor (10). The redundant random access memories (20, 21) have separate groups of address (22, 24) and data lines (23, 25) to minimize identical errors in data stored therein. Data transfer may occur at different times to and from the memories, with respect to any given byte of data. The system may incorporate redundant microprocessors, and critical parameters may be checked at periodic intervals in the main program of the accounting microprocessor system.  
The system has a microprocessor connected to a number of address lines, data lines, and control lines. A memory unit is connected to the address and data lines and to the control lines to enable storage of data in the memory, and reading of data from, under the control of the microprocessor. The memory unit comprises two RAMs each connected to separate groups of the address lines and separate groups of the data lines. The data may be transferred to and from the two RAMs independently of any common interconnection. In this way the possibility of error conditions that are not detectable is reduced.

IPC 1-7  
**G07B 17/02**

IPC 8 full level  
**G06F 12/16** (2006.01); **G07B 17/00** (2006.01); **G07B 17/04** (2006.01)

CPC (source: EP)  
**G07B 17/00362** (2013.01); **G07B 2017/00411** (2013.01)

Cited by  
EP0173249A3; EP0194663A3; US4805109A; US4817004A; EP0219118A3; US5029093A; EP0457114A1; EP0356052A3; EP0222197A3; US4845632A; GB2319217A; GB2319217B; US5946671A; EP0285955A1; FR2620259A1; US4916626A; WO8911134A1; EP0740275B1

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