

Title (en)

Non-volatile memory system with real time and power down data storage capability for an electronic postage meter

Title (de)

Nichtflüchtiges Speichersystem mit Echtzeit- und Netzausfall-Datenspeicherfähigkeit für eine Frankiermaschine

Title (fr)

Système de mémoire non-volatile avec possibilité d'enregistrement de données de temps réels et de baisse de puissance pour une machine à affranchir électronique

Publication

EP 0173249 B2 19980708 (EN)

Application

EP 85110530 A 19850822

Priority

US 64321984 A 19840822

Abstract (en)

[origin: EP0173249A2] A method and associated apparatus is provided for increasing the reliability of the stored accounting data which reflects the transactions of an electronic postage meter, including the steps of an associated apparatus for providing a first non-volatile memory (30) capable of storing accounting data which represents the postage meter transactions; updating the first non-volatile memory (30) in real time for each postage transaction to provide a current record of the accounting data for each postage transaction on-the-fly; providing a second non-volatile memory (32) capable of storing accounting data representing the postage meter transactions during a power down cycle of the postage meter; providing a volatile memory (28) capable of storing accounting data which represents the postage meter transactions; updating the volatile memory (28), in real time for each postage transaction to provide a current record of the accounting data for each postage transaction; and transferring the accounting data from the volatile memory (28) to the second non-volatile memory (32) during the power down cycle of the postage meter.

IPC 1-7

G07B 17/02

IPC 8 full level

G06Q 50/00 (2006.01); **G07B 17/00** (2006.01)

CPC (source: EP)

G07B 17/00314 (2013.01); **G07B 17/00362** (2013.01); **G07B 2017/00338** (2013.01); **G07B 2017/00346** (2013.01); **G07B 2017/00403** (2013.01)

Cited by

US5276844A; EP0376488A3; GB2181579A; AU626611B2; US5559992A; US5668973A; US4805109A; US4817004A; EP0457114A1; EP0222197A3; US4845632A; CN103235215A; EP0605313A1; FR2700043A1; US5444631A; EP0409780A3; AU631580B2; US6609120B1; WO8911134A1; US6601034B1; US6546545B1

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0173249 A2 19860305; **EP 0173249 A3 19870121**; **EP 0173249 B1 19910529**; **EP 0173249 B2 19980708**; DE 3582982 D1 19910704; JP S6162161 A 19860331

DOCDB simple family (application)

EP 85110530 A 19850822; DE 3582982 T 19850822; JP 18499885 A 19850822