

Title (en)
ELECTRONIC CASH REGISTER SYSTEM INCORPORATING LOCAL GOODS DATA STORAGE

Publication
EP 0176072 A3 19870812 (EN)

Application
EP 85112049 A 19850924

Priority
JP 20004984 A 19840925

Abstract (en)
[origin: EP0176072A2] This electronic cash register system includes a means for storing a master file having reference data for the entirety of a set of items of goods, a transfer means, and a plurality of electronic cash registers. Each of the registers includes a means for storing a sub file having reference data for a subset of the set of items of goods, and a means for consulting the sub file for reference data for a particular item of goods which is to be dealt with and for, if and only if the sub file does not hold the reference data, obtaining the reference data from the master file via the transfer means. The system further includes a means for, according to data of goods dealt with, determining a subset of the set of items of goods the members of which are often dealt with, and a means for updating the sub files kept at the electronic cash registers according to the thus determined subset. Thereby the dealing with items of goods can mostly be accomplished locally. Accordingly, this system can increase the speed of transaction processing, and the capacity of each local sub file storage means can be much smaller than the capacity of the master file storing means. If the master file has become inoperative, effective transaction processing can still be provided for most transactions. And, since the sub files are updated by the updating means, the data therein may be kept current.

IPC 1-7
G06F 15/22; **G07G 1/00**

IPC 8 full level
G07G 1/00 (2006.01); **G07G 1/12** (2006.01); **G07G 1/14** (2006.01)

CPC (source: EP)
G06Q 30/04 (2013.01); **G07G 1/12** (2013.01); **G07G 1/145** (2013.01)

Citation (search report)
• [X] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 24, no. 2, July 1981, pages 976-978, New York, US; M.E. CHAMOFF et al.: "Dynamic self-optimizing price lookup for retail terminal system"
• [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 195 (P-146)[1073], 5th October 1982; & JP-A-57 105 076 (TOKYO DENKI K.K.) 30-06-1982
• [A] PATENT ABSTRACTS OF JAPAN, vol. 7, no. 30 (P-173)[1175], 5th February 1983; & JP-A-57 182 868 (TATEISHI DENKI K.K.) 10-11-1982

Cited by
EP3358540A1; EP0527423A3; EP0276815A3; GB2343764A; EP0261650A3; EP0195371A3; US5491473A; US4891503A; EP0566441A1; FR2689715A1; US5475742A; EP0276816A3; US4879649A; US6845363B1; WO0014691A1

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