

Title (en)

Prepaid charge counting apparatus.

Title (de)

Im voraus bezahlte Gebührenzählvorrichtung.

Title (fr)

Appareil de comptage de frais à paiement préalable.

Publication

EP 0330236 A2 19890830 (EN)

Application

EP 89103322 A 19890224

Priority

- JP 4537788 A 19880227
- JP 4537888 A 19880227
- JP 4558888 A 19880226

Abstract (en)

A prepaid charge counting apparatus (10) to be employed, for example, in a particular parking system in which the parking period of time is limited. In such a case, the driver has to purchase the apparatus in advance such that a count corresponding to the prepaid amount is assigned to the apparatus. When parking a car in the parking place, the user first operates the ON/OFF operation unit (12) to initiate the respective sections of the apparatus (10), and then the remaining amount of the count and the consumption state of the time are appropriately displayed on the display (11). This apparatus (10) is placed at a position in a car visible from the outside thereof such that the time measuring unit (41) continuously measures the consumed period of time and that the arithmetic unit (42) converts the measurement result of the time measuring section (41) into a count so as to compute the remaining amount of the count. The control unit (43) updates the display contents on the display section (11) based on the measurement result of the time measuring section (41) and the computation result of the arithmetic unit (42). The manager of the parking place monitors the display contents to appropriately check the consumption state of the time. In consequence, in order to construct a prepayment system in the parking place, when the apparatus is employed, the investment for the special facility and the management cost can be unnecessitated. Furthermore, the user is relieved from the annoying operation of the prepayment of the parking charge for each parking operation.

IPC 1-7

G07C 1/30

IPC 8 full level

G07C 1/30 (2006.01)

CPC (source: EP)

G07C 1/30 (2013.01)

Cited by

DE4314002A1; ITMI20082010A1; EP0522350A3; GR900100118A; WO9825234A1; WO9114239A1; WO9853432A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0330236 A2 19890830; EP 0330236 A3 19900404

DOCDB simple family (application)

EP 89103322 A 19890224