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(54) PARKING METER

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(US)

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(58) Field of Classification Search

CPC G07F 9/10; G07F 17/00; G07F 17/0021; G07F 17/248; G07F 17/24; G06Q 20/18 See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

2,161,046 A 6/1939 Hitzeman 2,822,682 A * 2/1958 Sollenberger G07F 17/248 220/324

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2377010 A1 10/2001 CA 2363915 A1 5/2003 (Continued)

OTHER PUBLICATIONS

Cell Net Data Systems. First Wireless Monitoring of Parking Meters Results in Theft Arrests Using CellNet Data Systems Technology. PRNewswire, May 11, 1999, 2 pgs.

(Continued)

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(57) ABSTRACT

A parking meter assembly (10) including a base (11) that is to be fixed to or embedded in a ground surface, typically adjacent the curb that which a car is to be parked. The assembly (10) also includes a parking meter (13) having a front face (17) that includes a coin slot (25) a card slot (20) and a control panel (21). The parking meter (13) further includes a rear face (27) having a window aperture (28) that provides for the transmission of light to a solar panel (29) behind the aperture (28).

8 Claims, 5 Drawing Sheets

