

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 450 333 A1

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

25.08.2004 Bulletin 2004/35

(51) Int Cl.7: **G09F 3/20**

(21) Application number: **03394038.8**

(22) Date of filing: **14.04.2003**

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**

Designated Extension States:

AL LT LV MK

(71) Applicant: **Ryan, Uaithne Eoin
Castletroy, Limerick (IE)**

(72) Inventor: **Ryan, Uaithne Eoin
Castletroy, Limerick (IE)**

(30) Priority: **21.02.2003 IE**

(54) **Methods and system of payment for a parking space by telephone**

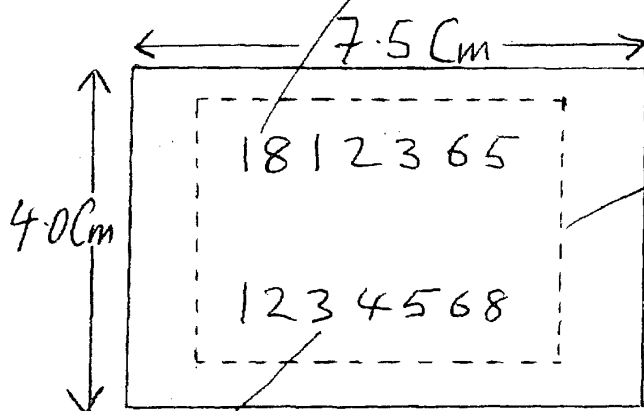
(57) The self adhesive vinyl parking label is affixed to the inside of the parked vehicle window and contains therein between the self adhesive vinyl and the parked vehicle window a paper label displaying the serial identification number of the parked vehicle and the Telecom or Service Provider number that are used by the operator of the parked vehicle and by a Traffic Regulations official.

FIG 1

SERIAL IDENTIFICATION
NUMBERS

SELF ADHESIVE
VINYL

PAPER
DISPLAY



TELECOM OR SERVICE NUMBERS

EP 1 450 333 A1

Description

[0001] The parked vehicle parking information display system is described a clear self adhesive vinyl parking label which is affixed to the inside of the window of the parked vehicle, and displaying therein the vehicle's serial identification numbers and the telephone access numbers of the Telecom or Service Provider.

[0002] The operator of the parked vehicle parks his or her vehicle in a cost controlled parking credit time limit zone. The parked vehicle operator telephones the Telecom or Service Provider by entering into his or her telephone instrument key pad in sequence the set of Telecom or Service Provider numbers as is displayed on the self adhesive parking label located on the inside of the window of the parked vehicle. The Telephone instrument referred to herein is described as a mobile telephone, public callbox, a private telephone or a business telephone.

[0003] The parked vehicle operator is answered by a Telecom or Service Provider automated telephone service and is requested to enter the code area from where the access telephone call is being telephoned from, e. g. in the Cork area the telephone code is 021, in Dublin the telephone code would be 01, and from any other area where a designated telephone code area is operated by the Telecom or Service Provider.

[0004] The operator of the parked vehicle enters the telephone area code number, by keying into the keypad of his or her telephone instrument the area code number displayed on the self adhesive parking label, by depressing the Cork area number '0' followed by depressing the number '2', followed by depressing the number '1' and the Telecom or Service Provider recognises the telephone area code from where the telephone call is being sent.

[0005] The Telecom or Service Provider requests the operator of the parked vehicle to enter the serial identification numbers in sequence and corresponding to the serial identification numbers as is displayed on the self adhesive parking label located on the inside of the window of the parked vehicle.

[0006] The operator of the parked vehicle enters in sequence the set of serial identification numbers as is displayed on his or her self adhesive parking label and the Telecom or Service Provider recognises the serial identification numbers of the operator of the parked vehicle in the Telecom or Service Providers automated answering service. The Telecom or Service Provider requests the operator of the parked vehicle to then enter the parking zone number, in which the vehicle is parked, e.g. the operator of the parked vehicle enters into his or her telephone instrument the number '1' indicating to the Telecom or Service Provider that the vehicle is parked in a one-hour parking zone, the number '2' to indicate a two-hour parking zone the number '4' to indicate a four hour parking zone, the number '0' to indicate an overnight parking zone and any other numerical order which is as-

signed by the Telecom or Service Provider in relation to any other parking area, e.g. bus, train or airport parking zones, and any cost-controlled parking area.

The Telecom or Service Provider provides further codes in numbers and letters to denote an exact location of the parked vehicle.

[0007] The operator of the parked vehicle is allowed to legally park their vehicle in a cost-controlled parking area only for the time limit zone designated. The operator of the parked vehicle telephones the Telecom or Service Provider to request legal valid credit parking time for his or her vehicle. The Telecom or Service Provider confirms and authorises the operator the commencement of valid legal parking time. The Telecom or Service Provider bills the operator of the parked vehicle for parking time, debiting his or her account, i.e. credit card account, mobile telephone account, business telephone account or private account.

[0008] The operator of the parked vehicle can check his or her current valid parking time by phoning or sending a text message to the Telecom or Service Provider from his or her telephone instrument.

[0009] The Traffic Regulations official a policeman or a traffic warden checks the valid parking time status of the parked vehicle by telephoning the Telecom or Service Provider. The Traffic Regulations official enters and keys in to his or her telephone instrument keypad the Telecom or Service Provider access telephone numbers by depressing each number in sequence displayed on the self adhesive parking label.

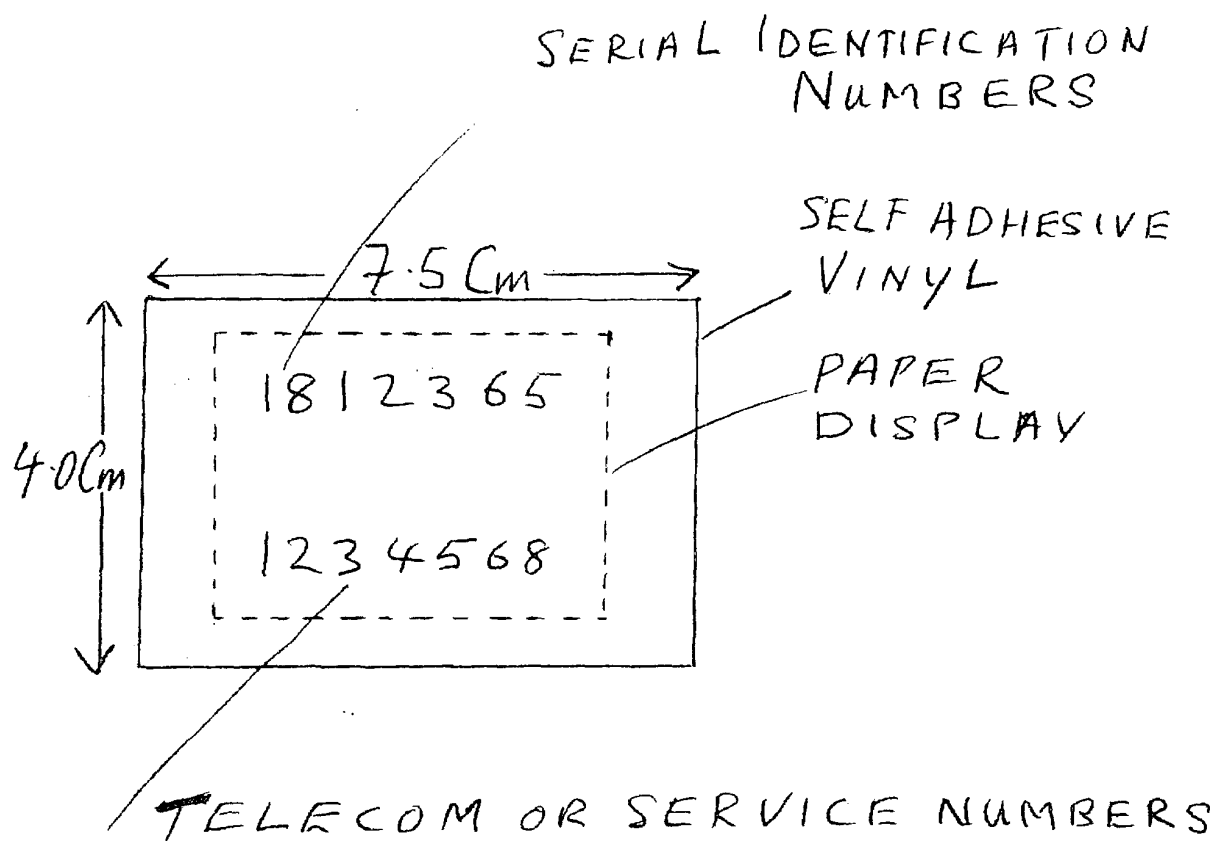
[0010] The Traffic Regulations official is then requested by the Telecom or Service Provider to key in the serial identification number of the parked vehicle which is displayed on the self adhesive label on the parked car. The Telecom or Service Provider confirms the commencement of the vehicle parking time and valid parking time remaining.

[0011] The embodiments of the method are not limited to those described herein and may be varied.

Claims

1. claim a method of cost-controlled vehicle parking time in parking zoned areas.
2. claim a clear self adhesive vinyl parking label affixed to the inside of the window of the parked vehicle, measuring 7.5Cm in width and 5.0Cm in height and containing therein a paper label measuring 6.00Cm in width and 4.00Cm in height displaying therein the serial identification numbers of the parked vehicle and the telephone access numbers of the Telecom or Service Provider used by the operator of the parked vehicle and a Traffic Regulations official. Ref - Fig. 1

FIG 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 39 4038

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	FR 2 797 078 A (FRANCE TELECOM) 2 February 2001 (2001-02-02) * page 2, line 28 - page 4, line 6 * * page 7, line 17 - line 22 * * page 7, line 1 - line 33 * * page 8, line 5 - line 12 * * page 8, line 25 - page 9, line 15 * * page 10, line 19 - line 25 * * page 12, line 15 - line 32 * * figures 1,3,4 * ---	1,2	G09F3/20
X	US 5 905 247 A (ILEN TERO) 18 May 1999 (1999-05-18) * column 3, line 33 - column 4, line 4 * * column 4, line 31 - line 43 * * column 5, line 65 - column 6, line 8 * * figures 1,4 * ---	1,2	
X	WO 96/34366 A (LAHTI HEIKKI ;FINLAND TELECOM OY (FI)) 31 October 1996 (1996-10-31) * page 6, line 20 - line 25 * * page 9, line 22 - line 29 * * figure 1 * ---	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G09F G07C
X	FR 2 753 824 A (KOLACINSKI PATRICE JEAN MARC) 27 March 1998 (1998-03-27) * the whole document * ---	2	
X	FR 2 780 191 A (DANEL SERVICES) 24 December 1999 (1999-12-24) * the whole document * -----	2	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 7 May 2004	Examiner Pantoja Conde, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/02 (P04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 39 4038

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

07-05-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2797078	A	02-02-2001	FR 2797078 A1	02-02-2001
			AT 230143 T	15-01-2003
			BR 0012649 A	09-04-2002
			CA 2380110 A1	08-02-2001
			DE 60001072 D1	30-01-2003
			DE 60001072 T2	13-11-2003
			EP 1200939 A1	02-05-2002
			WO 0109843 A1	08-02-2001
			JP 2003506770 T	18-02-2003
			PL 353140 A1	20-10-2003
US 5905247	A	18-05-1999	FI 950918 A	29-08-1996
			AT 239953 T	15-05-2003
			AU 4721396 A	18-09-1996
			DE 69627989 D1	12-06-2003
			DE 69627989 T2	12-02-2004
			DK 812448 T3	25-08-2003
			EP 0812448 A1	17-12-1997
			ES 2194972 T3	01-12-2003
			WO 9627170 A1	06-09-1996
WO 9634366	A	31-10-1996	FI 2136 U1	19-10-1995
			AT 210869 T	15-12-2001
			AU 5401596 A	18-11-1996
			DE 69617891 D1	24-01-2002
			EP 0781437 A1	02-07-1997
			WO 9634366 A1	31-10-1996
FR 2753824	A	27-03-1998	FR 2753824 A1	27-03-1998
FR 2780191	A	24-12-1999	FR 2780191 A1	24-12-1999
			BE 1013055 A3	07-08-2001

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82