

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5234779

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SECURITY AGREEMENT FOR U.S. PATENT NO. 6,810,765 WHICH WAS ERRONEOUSLY RECORDED AGAINST U.S. PATENT NO. 6,801,765 previously recorded on Reel 016026 Frame 0033. Assignor(s) hereby confirms the SECURITY AGREEMENT.

CONVEYING PARTY DATA

Name	Execution Date
DURA GLOBAL TECHNOLOGIES, INC.	05/03/2005

RECEIVING PARTY DATA

Name:	BANK OF AMERICA, N.A., AS COLLATERAL AGENT
Street Address:	20800 SWENSON DRIVE
Internal Address:	SUITE 350
City:	WAUKESHA
State/Country:	WISCONSIN
Postal Code:	53187

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	6810765

CORRESPONDENCE DATA

Fax Number: (516)228-8475

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 5162283565

Email: GENMAIL@FARRELLIPLAW.COM

Correspondent Name: WENDY A GREENSEICH

Address Line 1: 290 BROADHOLLOW ROAD

Address Line 2: SUITE 210E

Address Line 4: MELVILLE, NEW YORK 11747

ATTORNEY DOCKET NUMBER:	678-423
NAME OF SUBMITTER:	WENDY A GREENSEICH
SIGNATURE:	/WAG/
DATE SIGNED:	11/13/2018

Total Attachments: 18

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05-17-2005

MRD
5/16/05



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To the Director of the U.S. Patent and Trademark Office: Please record the following documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Dura Global Technologies, Inc.

2. Name and address of receiving party(ies)
Name: Bank of America, N.A., as Collateral Agent
Internal Address: Suite 350

Execution Date(s) May 3, 2005

Additional name(s) of conveying party(ies) attached? Yes No

Street Address: 20800 Swenson Drive

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

City: Waukesha

State: WI

Country: USA Zip: 53187

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
See continuation of Item 4 attached hereto

B. Patent No.(s)
See continuation of Item 4 attached hereto

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Linda R. Kastner

Internal Address: c/o Latham & Watkins
Suite 5800

Street Address: 233 S. Wacker Drive

City: Chicago

State: IL Zip: 60606

Phone Number: 312/876-7628

Fax Number: 312/993-9767

Email Address: Linda.Kastner@lw.com

6. Total number of applications and patents involved: 141

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 5,640.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: Linda R. Kastner May 9, 2005

Signature Date

01 FC 9021 5640.00 OP
02 FC 9022 Linda R. Kastner
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 16

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Documents to be recorded (including cover sheet) should be faxed to (703) 308-2998, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1480, Alexandria, V.A. 22313-1480

PATENT
REEL: 016026 FRAME: 0033

PATENT
REEL: 047510 FRAME: 0101

DURA GLOBAL TECHNOLOGIES, INC.

CONTINUATION OF ITEM 4

U.S. PATENT APPLICATIONS

Serial No.
10/656,908
10/389,417
10/614,691
10//159,755
10/161,259
10/024,617
10/737,515
10/449,744
11/084,542
11/069,699
29/224,022
11/063,221
11/060,854
11/054,017
11/037,958
11/028,903
11/018,073
11/014,549
11/003,097
10/985,809
10/936,208
10/930,315
10/930,105
10/931,229
10/897,044
10/881,298
10/881,274
10/848,767
10/846,353
10/828,385
10/815,085
10/812,664
10/814,560

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PATENT
REEL: 016026 FRAME: 0034

PATENT
REEL: 047510 FRAME: 0102

Serial No.
10/814,559
10/793,381
10/793,699
10/786,246
11/063,222
10/741,893
10/742,056
10/742,069
10/713,599
10/447,295
10/369,346
10/369,092
10/128,110
11/074,965
11/050,971
10/839,417
10/826,133
10/811,059
10/761,812
10/723,694
10/697,539
10/680,559
10/655,743
10/656,908
10/646,468
10/627,346
10/624,464
10/613,890
10/608,167
10/465,372
10/601,920
10/462,109
10/300,486
10/298,186
10/288,111
10/159,755
10/045,223
10/269,109

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PATENT
REEL: 016026 FRAME: 0035

PATENT
REEL: 047510 FRAME: 0103

U.S. PATENTS

Patent No.
6,880,427
6,860,170
6,840,133
6,840,130
6,801,765
6,799,749
6,766,713
6,766,617
6,758,115
6,758,114
6,748,820
6,748,638
6,739,212
6,732,847
6,719,207
6,692,216
6,688,659
6,677,720
6,668,680
6,666,527
6,662,676
6,637,712
6,622,583
6,619,439
6,609,595
6,609,438
6,598,495
6,581,987
6,572,066
6,557,809
6,543,822
6,533,082
6,520,043
6,516,683
6,510,761
6,474,739

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PATENT
REEL: 016026 FRAME: 0036

PATENT
REEL: 047510 FRAME: 0104

Patent No.
6,464,297
6,446,305
6,443,414
6,439,074
6,427,981
6,422,616
6,405,987
6,386,338
6,378,928
6,367,758
6,367,349
6,367,348
6,361,114
6,360,631
6,354,553
6,352,007
6,322,035
6,318,696
6,312,037
6,309,019
6,295,886
6,290,199
6,289,761
6,273,507
6,267,546
6,264,158
6,247,381
6,223,470
6,217,115
6,179,265
6,145,914
6,141,910
6,095,475
6,089,665

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PATENT
REEL: 016026 FRAME: 0037

PATENT
REEL: 047510 FRAME: 0105

PATENT SECURITY AGREEMENT

PATENT SECURITY AGREEMENT, dated as of May 3, 2005, by DURA GLOBAL TECHNOLOGIES, INC., a Michigan corporation ("Grantor"), in favor of BANK OF AMERICA, N.A. in its capacity as collateral agent (the "Agent") for the Secured Parties.

WITNESSETH:

WHEREAS, pursuant to that certain Fifth Amended and Restated Credit Agreement dated as of the date hereof by and among Grantor, the Persons named therein as Credit Parties, Administrative Agent, Agent and the Persons signatory thereto from time to time as Lenders (including all annexes, exhibits or schedules thereto, and as from time to time amended, restated, supplemented or otherwise modified, the "Credit Agreement"), Lenders have agreed to make the Loans and to issue Letters of Credit for the benefit of Borrowers and guaranteed by Grantor;

WHEREAS, Agent and Lenders are willing to make the Loans and to issue Letters of Credit as provided for in the Credit Agreement, but only upon the condition, among others, that Grantor shall have executed and delivered to Agent, for itself and the ratable benefit of the Secured Parties, that certain Security Agreement dated as of the date herewith (including all annexes, exhibits or schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the "Security Agreement");

WHEREAS, pursuant to the Security Agreement, Grantor is executing and delivering to Agent, for itself and the ratable benefit of the Secured Parties, this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor hereby agrees as follows:

1 DEFINED TERMS.

(a) "Licenses" means, with respect to Grantor, all of such Grantor's right, title, and interest in and to (i) any and all licensing agreements or similar arrangements in and to its Patents, (ii) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past and future breaches thereof, and (iii) all rights to sue for past, present, and future breaches thereof.

(b) "Patents" means, with respect to Grantor, all of such Grantor's right, title, and interest in and to: (i) any and all U.S. patents and patent applications; (ii) all inventions and improvements described and claimed therein; (iii) all reissues, divisions, continuations, renewals, extensions, and continuations-in-part thereof; (iv) all income, royalties, damages, claims, and payments now or hereafter due or payable under and with respect thereto, including, without limitation, damages and payments for past

and future infringements thereof; and (v) all rights to sue for past, present, and future infringements thereof.

(c) "Secured Parties" means the Agents, the Lenders, their respective Affiliates, and each of their permitted successors and assigns.

(d) All other capitalized terms used but not otherwise defined herein have the meanings given to them in the Credit Agreement.

2 GRANT OF SECURITY INTEREST IN PATENT COLLATERAL.

Grantor hereby grants to Agent, on behalf of itself and the Secured Parties, a continuing first priority security interest in all of Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Patent Collateral"):

(a) all of its Patents and Licenses to which it is a party including those referred to on Schedule I hereto; and

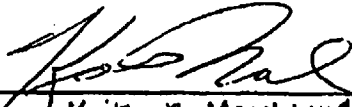
(b) all products and proceeds of the foregoing, including, without limitation, any claim by Grantor against third parties for past, present or future infringement or dilution of any Patent or any Patent licensed under any License.

3 SECURITY AGREEMENT. The security interests granted pursuant to this Patent Security Agreement are granted in conjunction with the security interests granted to Agent, on behalf of itself and the Secured Parties, pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein.

[signature page follows]

IN WITNESS WHEREOF, Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

DURA GLOBAL TECHNOLOGIES, INC.

By: 
Name: Keith R. Marchlando
Title: President and C.F.O.

ACCEPTED AND ACKNOWLEDGED BY:

BANK OF AMERICA, N.A.,
as Collateral Agent

By: _____
Name: _____
Title: _____

[Signature Page to Dura Global Technologies, Inc. Patent Security Agreement]
S-1

PATENT
REEL: 016026 FRAME: 0040

PATENT
REEL: 047510 FRAME: 0108

IN WITNESS WHEREOF, Grantor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

DURA GLOBAL TECHNOLOGIES, INC.

By: _____
Name: _____
Title: _____

ACCEPTED AND ACKNOWLEDGED BY:

BANK OF AMERICA, N.A.,
as Collateral Agent

By: Brian Carole
Name: Brian Carole
Title: Senior Vice President

[Signature Page to Dura Global Technologies, Inc. Patent Security Agreement]

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PATENT
REEL: 016026 FRAME: 0041

PATENT
REEL: 047510 FRAME: 0109

SCHEDULE I

DURA GLOBAL TECHNOLOGIES, INC.

INTELLECTUAL PROPERTY RIGHTS

U.S. PATENT APPLICATIONS

Title	Serial No.	Filing Date	Patent Assignee
Reclining vehicle seat hinge assembly	10/656,908	9/5/03	Dura Global Technologies Inc.
Tire carrier	10/389,417	5/4/04	Dura Global Technologies Inc.
Egress window latching mechanism	10/614,691	7/7/03	Dura Global Technologies Inc.
Reverse clip cap terminal connector	10//159,755	5/30/02	Dura Global Technologies Inc.
Shift-by-wire transmission actuator assembly	10/161,259	5/31/02	Dura Global Technologies Inc.
Flush egress window assembly	10/024,617	12/18/01	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/737,515	12/16/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/449,744	5/30/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	4/12/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	4/11/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	4/8/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	4/11/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	4/6/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	3/30/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	3/30/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	3/25/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	3/25/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/084,542	3/18/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	3/3/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/069,699	3/1/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	29/224,022	2/23/05	Dura Global Technologies Inc.

Title	Serial No.	Filing Date	Patent Assignee
UNPUBLISHED APPLICATION	Not yet available from PTO	2/22/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/063,221	2/22/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/060,854	2/18/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/054,017	2/9/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/037,958	1/18/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/028,903	1/4/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/018,073	12/21/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/014,549	12/16/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/003,097	12/3/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/985,809	11/8/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/936,208	9/8/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/930,315	8/31/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/930,105	8/31/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/931,229	8/31/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/897,044	7/22/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/881,298	6/30/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/881,274	6/30/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	6/1/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	6/1/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	5/21/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	Not yet available from PTO	5/21/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/848,767	5/18/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/846,353	5/14/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/828,385	4/20/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/815,085	3/31/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/812,664	3/30/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/814,560	3/30/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/814,559	3/30/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/793,381	3/4/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/793,699	3/4/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/786,246	2/25/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/063,222	2/22/04	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/741,893	12/19/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/742,056	12/18/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/742,069	12/18/03	Dura Global Technologies Inc.

Title	Serial No.	Filing Date	Patent Assignee
UNPUBLISHED APPLICATION	10/713,599	11/14/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/447,295	8/28/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/369,346	2/17/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/369,092	2/17/03	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	10/128,110	4/23/02	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/074,965	3/8/05	Dura Global Technologies Inc.
UNPUBLISHED APPLICATION	11/050,971	2/4/05	Dura Global Technologies Inc.
Tire carrier	10/839,417	5/4/04	Dura Global Technologies, Inc.
Integrated cable connection and shifter housing	10/826,133	4/16/04	Dura Global Technologies, Inc.
Self adjusting electrically powered parking brake actuator mechanism with manual release	10/811,059	3/26/04	Dura Global Technologies, Inc.
Seat track assembly and method of manufacture	10/761,812	1/20/04	Dura Global Technologies, Inc.
Tire carrier	10/723,694	11/26/03	Dura Global Technologies, Inc.
Drive nut and screw for seat adjuster	10/697,539	10/29/03	Dura Global Technologies, Inc.
Automotive foot pedal and method of manufacture	10/680,559	10/6/03	Dura Global Technologies, Inc.
Two part grommet with hard plastic locking prongs	10/655,743	9/5/03	Dura Global Technologies, Inc.
Reclining vehicle seat hinge assembly	10/656,908	9/5/03	Dura Global Technologies, Inc.
Glazing panel installation structure and method	10/646,468	8/20/03	Dura Global Technologies, Inc.
Arrangement and method for connecting a rod end to a headed pin	10/627,346	7/25/03	Dura Global Technologies, Inc.
Locking device for cable assembly	10/624,464	7/22/03	Dura Global Technologies, Inc.
Cable actuated adjustable pedal	10/613,890	7/3/03	Dura Global Technologies, Inc.
Latch for a tire carrier	10/608,167	6/26/03	Dura Global Technologies, Inc.
Secondary latch for a tire carrier	10/465,372	6/18/03	Dura Global Technologies, Inc.
Spare tire handling device with a wheel retainer	10/601,920	6/18/03	Dura Global Technologies, Inc.
Adjustable pedal system having a slot-link mechanism	10/462,109	6/13/03	Dura Global Technologies, Inc.
Inclination-measuring device	10/300,486	11/20/02	Dura Global Technologies, Inc.
Power seat drive motor mounting arrangement and assembly method	10/298,186	11/15/02	Dura Global Technologies, Inc.

Title	Serial No.	Filing Date	Patent Assignee
Adjustable pedal mechanism with tapered rivet for automatic gap and wear protection	10/288,111	11/5/02	Dura Global Technologies, Inc.
Reverse clip cap terminal connector	10/159,755	5/30/02	Dura Global Technologies, Inc.
Articulated window panel with hidden hinge for vehicles	10/045,223	11/9/01	Dura Global Technologies, Inc.
Ball screw mechanism with integral opposing thread	10/269,109	10/10/02	Dura Global Technologies, Inc.; Atwood Mobile Products

U.S. PATENTS

Title	Patent No.	Issue Date	Expiration Date	Patent Assignee
Adjustable brake, clutch and accelerator pedals	6,880,427	4/19/05	1/16/24	Dura Global Technologies Inc.
Electronic throttle control hysteresis mechanism	6,860,170	3/1/05	9/9/22	Dura Global Technologies Inc.
Mechanical override release mechanism for cable tensioning systems	6,840,133	1/11/05	8/22/22	Dura Global Technologies Inc.
Adjustable brake, clutch and accelerator pedals	6,840,130	1/11/05	3/1/22	Dura Global Technologies Inc.
Control system for adjustable pedal assembly	6,801,765	11/2/04	12/19/21	Dura Global Technologies Inc.
Slim pantograph jack	6,799,749	10/5/04	12/15/23	Dura Global Technologies Inc.
Control system for adjustable pedal assembly having individual motor drives	6,766,713	7/27/04	9/3/22	Dura Global Technologies Inc.
Power sliding rear window	6,766,617	7/27/04	8/12/22	Dura Global Technologies Inc.
Adjustable brake, clutch and accelerator pedals	6,758,115	7/6/04	3/1/22	Dura Global Technologies Inc.
Electronic throttle control accelerator pedal mechanism with mechanical hysteresis provider	6,758,114	7/6/04	1/7/02	Dura Global Technologies Inc.
Self-adjusting isolator for reducing cable lash in transmission shift systems	6,748,820	6/15/04	11/9/21	Dura Global Technologies Inc.
Apparatus and method for locating a vehicle window panel	6,748,638	6/15/04	4/15/22	Dura Global Technologies Inc.
Adjustable pedal controller with obstruction detection	6,739,212	5/25/04	5/25/21	Dura Global Technologies Inc.
Shift-by-wire shifter assembly with mechanical override	6,732,847	5/11/04	6/5/22	Dura Global Technologies Inc.

Title	Patent No.	Issue Date	Expiration Date	Patent Assignee
Microprocessor controlled two stage furnace	6,719,207	4/13/04	9/30/22	Dura Global Technologies Inc.
Secondary latch for a tire carrier	6,692,216	2/17/04	4/22/22	Dura Global Technologies Inc.
Egress window latching mechanism	6,688,659	2/10/04	12/7/21	Dura Global Technologies Inc.
Control system for vehicle seat	6,677,720	1/13/04	6/8/21	Dura Global Technologies Inc.
Noise and vibration reducing flex-cable assembly	6,668,680	12/30/03	12/30/20	Dura Global Technologies Inc.
Electro-hydraulic brake actuating device for a trailer	6,666,527	12/23/03	9/18/21	Dura Global Technologies Inc.
Parking brake system having multi-tooth, self-engaging self-adjust pawl	6,662,676	12/16/03	7/24/21	Dura Global Technologies Inc.
Automotive seat track lock mechanism with positive engagement	6,637,712	10/28/03	5/17/22	Dura Global Technologies Inc.
Automatic transmission shifter lever and transfer case shifter lever interlock mechanism	6,622,583	9/23/03	8/7/01	Dura Global Technologies Inc.
Mechanical release for parking brake cable system	6,619,439	9/16/03	9/10/01	Dura Global Technologies Inc.
Electric parking brake with direct tension feedback	6,609,595	8/26/03	10/9/21	Dura Global Technologies Inc.
Electric adjustable pedal system with two-piece upper arm	6,609,438	8/26/03	8/26/20	Dura Global Technologies Inc.
Plastic adjustable accelerator pedal with internal drive mechanism	6,598,495	7/29/03	7/6/21	Dura Global Technologies Inc.
Hood latch mechanism with in-line striker spring	6,581,987	6/24/03	11/15/20	Dura Global Technologies Inc.
Single-piece spring-steel seat adjuster latch	6,572,066	6/3/03	10/31/00	Dura Global Technologies Inc.
Universal seat track assembly	6,557,809	5/6/03	3/1/22	Dura Global Technologies Inc.
Self-presenting secondary hood latch assembly	6,543,822	4/8/03	9/11/20	Dura Global Technologies Inc.
Electric parking brake	6,533,082	3/18/03	12/1/20	Dura Global Technologies Inc.
Transmission shifter with integrated cable adjustment mechanism	6,520,043	2/18/03	6/30/20	Dura Global Technologies Inc.
Electric adjustable pedal system with mechanical active lock-up	6,516,683	2/11/03	10/6/20	Dura Global Technologies Inc.

Title	Patent No.	Issue Date	Expiration Date	Patent Assignee
Control system for adjustable pedal assembly	6,510,761	1/28/03	12/19/21	Dura Global Technologies Inc.
Seat track assembly for fold and flip seat	6,474,739	11/5/02	10/18/20	Dura Global Technologies Inc.
Load floor seat assembly	6,464,297	10/15/02	12/1/20	Dura Global Technologies Inc.
Rollerless door check mechanism	6,446,305	9/10/02	8/29/20	Dura Global Technologies Inc.
Seat track assembly with release mechanism having a rotatable rod	6,443,414	9/3/02	10/18/20	Dura Global Technologies Inc.
Plastic steering-column gearshift lever	6,439,074	8/27/02	6/30/20	Dura Global Technologies Inc.
Secondary latch for a tire carrier	6,427,981	8/6/02	6/12/20	Dura Global Technologies Inc.
Adjustable hood latch assembly	6,422,616	7/23/02	3/1/20	Dura Global Technologies Inc.
Reinforcement member for a seat mounting assembly	6,405,987	6/18/02	8/5/19	Dura Global Technologies Inc.
Electric parking brake manual override	6,386,338	5/14/02	12/1/00	Dura Global Technologies Inc.
Pivoting actuator for seat track assembly	6,378,928	4/30/02	9/8/20	Dura Global Technologies Inc.
Snap-on torque tube for seat track assembly	6,367,758	4/9/02	10/29/19	Dura Global Technologies Inc.
Adjustable brake, clutch and accelerator pedals	6,367,349	4/9/02	5/1/20	Dura Global Technologies Inc.
Adjustable brake, clutch and accelerator pedals	6,367,348	4/9/02	5/1/20	Dura Global Technologies Inc.
Self-leveling chair arm	6,361,114	3/26/02	1/6/20	Dura Global Technologies Inc.
Electronic throttle control accelerator pedal mechanism with mechanical hysteresis provider	6,360,631	3/26/02	1/12/20	Dura Global Technologies Inc.
Seat track assembly with positive lock mechanism	6,354,553	3/12/02	3/1/20	Dura Global Technologies Inc.
Control system for adjustable pedal assembly	6,352,007	3/5/02	1/27/20	Dura Global Technologies Inc.
Seat track with zero chuck lock	6,322,035	11/27/01	9/13/19	Dura Global Technologies Inc.
Seat track locking mechanism with infinite adjustment	6,318,696	11/20/01	11/8/19	Dura Global Technologies Inc.
Seat adjuster quick install mount	6,312,037	11/6/01	11/4/19	Dura Global Technologies Inc.
Flex cable drive for seat adjuster assembly	6,309,019	10/30/01	11/29/19	Dura Global Technologies Inc.

Title	Patent No.	Issue Date	Expiration Date	Patent Assignee
Vehicle shift mechanism for an automatic transmission	6,295,886	10/2/01	10/8/19	Dura Global Technologies Inc.
Drive mechanism for a seat adjuster	6,290,199	9/18/01	8/9/19	Dura Global Technologies Inc.
Automatic adjustable brake, clutch and accelerator pedals	6,289,761	9/18/01	2/4/20	Dura Global Technologies Inc.
Vertical seat adjustment assembly with external stops	6,273,507	8/14/01	10/28/19	Dura Global Technologies Inc.
Secondary latch for a tire carrier	6,267,546	7/31/01	3/31/20	Dura Global Technologies Inc.
Structural support for seat track assembly	6,264,158	7/24/01	12/9/18	Dura Global Technologies Inc.
Adjustable brake, clutch and accelerator pedals	6,247,381	6/19/01	1/27/20	Dura Global Technologies Inc.
Dropglass window module	6,223,470	5/1/01	9/20/19	Dura Global Technologies Inc.
Simplified linkage assembly	6,217,115	4/17/01	4/20/19	Dura Global Technologies Inc.
Single horizontal drive configuration for a seat adjuster	6,179,265	1/30/01	12/8/18	Dura Global Technologies Inc.
Torque tube for seat track assembly	6,145,914	11/14/00	12/8/18	Dura Global Technologies Inc.
Door module having a windowpane which includes brackets for attaching the windowpane to the door module and for moving the windowpane	6,141,910	11/7/00	11/7/17	Dura Global Technologies Inc.
Manual height adjustment assembly for a vehicle seat	6,095,475	8/1/00	10/23/18	Dura Global Technologies Inc.
Load transfer structural member for a seat assembly	6,089,665	7/18/00	7/2/18	Dura Global Technologies Inc.



US006801765B1

(12) **United States Patent**
Roo et al.

(10) **Patent No.:** US 6,801,765 B1
(45) **Date of Patent:** Oct. 5, 2004

(54) **LOCKING AND UNLOCKING METHOD IN MOBILE TELEPHONE**

5,241,583 A * 8/1993 Martensson 455/565
5,646,604 A * 7/1997 Maruyama et al. 455/411
5,749,052 A * 5/1998 Hidem et al. 455/422
6,195,568 B1 * 2/2001 Irvin 455/563

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FOREIGN PATENT DOCUMENTS

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JP 09064967 A * 3/1997

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

* cited by examiner

Primary Examiner—Quochien Vuong

(21) Appl. No.: **09/473,223**

(74) *Attorney, Agent, or Firm*—Dilworth & Barrese, LLP

(22) Filed: **Dec. 27, 1999**

(57) **ABSTRACT**

Foreign Application Priority Data

Dec. 26, 1998 (KR) 1998-59047
Dec. 30, 1998 (KR) 1998-60916
Oct. 5, 1999 (KR) 1999-42930

Disclosed is a method for locking and unlocking a mobile telephone. The method comprises setting a locking mode by receiving a locking voice, a locking-wait time and a locking number; receiving a locking voice when there is a key input in the locking mode; partially releasing the locking function when the received locking voice is identical to a registered locking voice; switching an operation mode of the mobile telephone to an idle mode, after partially releasing the locking function; and switching the operation mode of the mobile telephone back to the locking mode, when there is no key input in the idle mode until the locking-wait time has elapsed.

(51) **Int. Cl.**⁷ **H04M 1/66; H04M 1/68**

(52) **U.S. Cl.** **455/411; 455/563; 455/575**

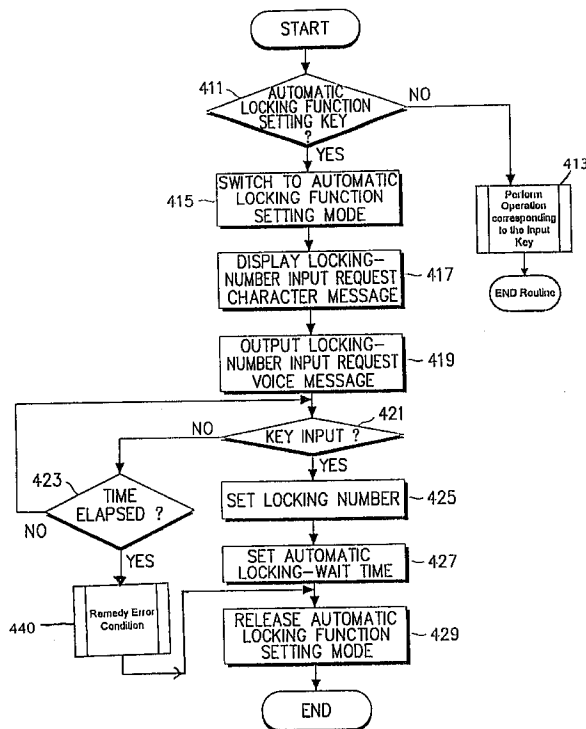
(58) **Field of Search** 455/410, 411, 455/422, 563, 565, 566, 550, 575; 379/93.03, 88.01, 88.02, 189, 903; 340/5.1, 5.8, 5.81, 5.84, 5.85; 704/231, 246, 275

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,046,125 A * 9/1991 Takizawa 455/411

12 Claims, 9 Drawing Sheets





(12) **United States Patent**
Zhang et al.

(10) **Patent No.:** **US 6,810,765 B2**
(45) **Date of Patent:** ***Nov. 2, 2004**

(54) **CONTROL SYSTEM FOR ADJUSTABLE PEDAL ASSEMBLY**

(75) Inventors: **Rongjun Zhang**, Rochester, MI (US); **Steven Allen Toelke**, Royal Oak, MI (US); **Gordon Lloyd Smith**, Orion, MI (US); **Richard Scott Bigham**, Kalkaska, MI (US); **Michael William DePotter**, Berkley, MI (US)

(73) Assignee: **Dura Global Technologies, Inc.**, Rochester Hills, MI (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **10/026,499**

(22) Filed: **Dec. 19, 2001**

(65) **Prior Publication Data**

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Related U.S. Application Data

(63) Continuation of application No. 09/492,636, filed on Jan. 27, 2000, now Pat. No. 6,352,007.

(51) **Int. Cl.**⁷ **G05G 1/14**

(52) **U.S. Cl.** **74/512; 280/334**

(58) **Field of Search** **74/512-514, 560; 701/49; 280/315, 334**

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,661,752 A	*	4/1987	Nishikawa et al.	307/10.1
4,809,180 A	*	2/1989	Saitoh	296/65.08
5,722,302 A	*	3/1998	Rixon et al.	74/512
5,996,438 A	*	12/1999	Elton	74/512
6,247,381 B1	*	6/2001	Toelke et al.	74/512
6,293,584 B1	*	9/2001	Levine	74/512
6,450,061 B1	*	9/2002	Chapman et al.	74/512

* cited by examiner

Primary Examiner—Chong H. Kim

(74) *Attorney, Agent, or Firm*—Richard M. Mescher; Casimir R. Kiczek

(57) **ABSTRACT**

An adjustable control pedal for a motor vehicle includes a lower arm which moves relative to an upper arm to adjust the position of a pedal. A control system includes a sensor and a controller in communication with the sensor. The controller determines a position of lower arm based on signals from the sensor and automatically stops movement when the lower arm reaches a stored position or an end of travel without engaging mechanical stops, when sensors indicate that there is a failure in the drive system, and when sensors indicate that a predetermined fore/aft offset between two pedals is not maintained. The controller automatically moves the lower arm to a predetermined position when signals indicate the driver may egress the vehicle. A lock-out switch prevents movement of the lower arm so that the lower arm is not accidentally moved.

4 Claims, 7 Drawing Sheets

