

IN THE UNI

02-02-2000



MARK OFFICE

101256135

orney Docket No. 7495A-500013

COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) Name Of Party Conveying The Interest:

Rockwell International Corporation

(2) Name And Address Of Party Receiving The Interest:

Rockwell Light Vehicle Systems, Inc.
2135 West Maple Road
Troy, Michigan 48084

(3) Description Of The Transaction To Be Recorded:

☒ Assignment ☐ License
☐ Change of Name ☐ Other _____

(4) Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:

☐ Serial Number _____, filed _____
☐ Application being filed concurrently herewith.
☒ Patent Number 4,521,679, issued 6/6/85

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on Jan 14, 2000.

By Shirley Felt

02/01/2000 DNGUYEN 00000117 4521679

01 FC:581

40.00 DP

(5) **Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:**

Stephen J. Foss, Esq.
Harness, Dickey & Pierce, P.L.C.
5445 Corporate Drive
Troy, Michigan 48098

(6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**

Number of Applications/Patents: 1


Total Recordal Fee Enclosed: \$40.00

(7) **Date(s) The Document Was Executed:** 11/15/96

To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.

If, for some reason, Applicant(s) has/have not paid a sufficient fee, please charge our Deposit Account No. 08-0750 for any further fees which may be due. A duplicate copy of this document is enclosed.

Respectfully submitted,

By: 
Stephen J. Foss
Reg. No. 31,251
Attorney for Applicant(s)

Date: Jan 14, 2000

ASSIGNMENT OF INVENTIONS, PATENT APPLICATIONS AND PATENTS

WHEREAS, Rockwell International Corporation ("Assignor"), a corporation organized and existing under the laws of the State of Delaware, desires to assign to Rockwell Light Vehicle Systems, Inc., ("Assignee"), a corporation organized and existing under the laws of the State of Delaware, pursuant to that certain Assignment and Assumption Agreement between Assignor and Assignee dated November 15, 1996, certain assets of Assignor identified as Contributed Assets in Annex A to that certain Agreement and Plan of Merger dated as of July 31, 1996 among Rockwell International Corporation, The Boeing Company and Boeing NA, Inc., and;

WHEREAS, Assignor is the owner of, or has rights in, those inventions, patent applications and patents included among the Contributed Assets, including those inventions, patent applications and patents listed on the Schedule attached hereto ("Contributed Inventions, Patent Applications and Patents").

NOW, THEREFORE, in consideration of the issuance of stock in Assignee to Assignor and for other good and valuable consideration delivered by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, said Assignor does hereby sell, grant, assign, convey and transfer unto the said Assignee, Assignor's entire right, title and interest in and to the Contributed Inventions, Patent Applications and Patents, including any applications or patents arising therefrom or any continuations or divisions thereof, and any and all re-examinations or reissues thereof and the subject matter of any and all claims which may be obtained in every such patent, the same to be held and enjoyed by the said Assignee, its successors, assigns or other legal representatives, for its own use and advantage, and for the use and advantage of its successors, assigns or other legal representatives, to the end of the term or terms for which patents are or may be granted, reissued or re-examined, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made, including all rights to profits and damage by reason of past infringement by any party or parties, with the right to sue

and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives.

Assignor hereby appoints Assignee its attorney-in-fact to act in Assignor's name, place and stead to execute, deliver and record any document or instrument of assignment required in any country in which any of the Contributed Inventions, Patent Applications and Patents are pending or issued, granting or confirming the rights granted herein, but only to the extent of those rights granted herein in connection with the Contributed Inventions, Patent Applications and Patents.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be duly executed on this 15th day of November 1996.

ROCKWELL INTERNATIONAL CORPORATION

By:



Assistant Secretary

Attest:

(Corporate Seal)

Schedule to Exhibit LVSA Assignment (LVSA)

AUTOMOTIVE - U. S. Issued and Pending Patents

Case No.	Title	Patent No.	Appln. No.	L/H	1
	DESIGN APPLN. - PROTECTIVE SLEEVE FOR AXLE SPINDLE	D335852	07/703,992	LIGHT	
AUT023	UNIFORM SENSITIVITY LIGHT CURTAIN	5,539,198	08/128,624	LIGHT	
R-D030	WINDOW REGULATOR WITH CUSHIONED UP STOP	5,497,578	08/319,560	LIGHT	
49	A SYSTEM FOR CONTROL OF ACTUATORS AND SWITCHES BY A REMOTELY LOCATED MICROCONTROLLER USING A TWO BUSS	5,486,724	07/822,186	LIGHT	
AUT022	CONTROL SYSTEM FOR DETECTING INTRUSION OF A LIGHT CURTAIN	5,404,008	08/092,844	LIGHT	
42	AN APPARATUS FOR POSITION DETECTION AND VERIFICATION THEREOF USING PULSE PATTERNS HAVING SEQUENTIALLY UNIQUE	5,350,955	07/924,122	LIGHT	
30C	HORIZONTAL SEAT POSITION ADJUSTER	5,349,878	08/083,417	LIGHT	
24	SECURE REMOTE CONTROL SYSTEM	5,349,459	07/884,971	LIGHT	
AUT021	REMOTE VEHICLE ACCESS FEATURING HIGH SECURITY	5,319,797	07/947,199	LIGHT	
19C	VERTICAL SEAT POSITION ADJUSTER	5,299,771	08/083,410	LIGHT	
19	SAFETY EDGE SWITCH FOR DETECTION OF OBSTRUCTIONS ENCOUNTERED BY A MOVING OBJECT	5,296,658	07/951,634	LIGHT	
6	VEHICLE SEAT TRACK ASSEMBLY	5,222,814	07/954,629	LIGHT	
9	VERTICAL SEAT POSITION ADJUSTER	5,222,710	07/755,278	LIGHT	
0	HORIZONTAL SEAT POSITION ADJUSTER	5,222,402	07/755,408	LIGHT	
7	A PRESSURE SENSOR UTILIZING MICROBENDING OF A FIBER OPTIC CABLE WOVEN THROUGH A LADDER SHAPED	5,193,129	07/766,878	LIGHT	
1	TRIP RECORDER OPERATION AND DATA RETENTION EXTENSION THROUGH MULTIPLE BATTERY BACKUP AND LOAD SHEDDING	5,191,529	07/591,163	LIGHT	

PATENT

REEL: 010506 FRAME: 0451

Case No.	Title	Patent No.	Appln. No.	L/H	2
95D-D029	WINDOW REGULATOR WITH ORTHOGONAL PUSHOUT FOR FLUSH WINDOW	5,081,792	07/482,892	LIGHT	
95R-D027	AUTOMATIC WINDOW PANEL ADJUSTMENT CONSTRUCTION FOR VEHICLE WINDOW REGULATOR ASSEMBLIES	5,038,519	07/483,136	LIGHT	
95R-D026	REGULATOR FOR FLUSH WINDOW	5,016,392	07/483,666	LIGHT	
95R-D028	WINDOW REGULATOR FOR VEHICLE DOORS	4,986,029	07/495,486	LIGHT	
95R-D025	FLUSH WINDOW REGULATOR	4,819,377	07/209,923	LIGHT	
4914	COMPOSITE ROD STRUCTURE	4,756,965	734,427	LIGHT	
4952	APPARATUS FOR MANUFACTURE AND REPAIR OF TUBULAR PRODUCTS	4,674,163	765,983	LIGHT	
95R-D024	FLEXIBLE WINDOW REGULATOR ASSEMBLY	4,660,325	06/779,942	LIGHT	
95AUT024	FLEXIBLE WINDOW REGULATOR ASSEMBLY	4,660,325	07/779,942	LIGHT	
4913	ACTUATOR FOR PUSH-PULL MECHANISMS	4,622,862	734,523	LIGHT	
4545	HOUSING FOR SEAT ADJUSTER LOCKING MECHANISM	4,592,591	539,436	LIGHT	
4571	KEY CARD APPARATUS	4,565,922	496,044	LIGHT	
4585	DRIVER KEY CARD IDENTIFYING SYSTEM	4,555,619	496,043	LIGHT	
4528	SUPPORT FOR SEAT ADJUSTING DEVICE	4,552,405	539,442	LIGHT	
4570	KEY CARD RECEIVER	4,547,661	496,042	LIGHT	
4569	DATA INPUT MODULE	4,521,679	496,041	LIGHT	

Case No.	Title	Patent No.	Appln. No.	L/H	3
4272	METHOD OF FORMING A WHEEL	4,509,239	565,544	LIGHT	
4314	CONDITION RESPONSIVE RF TRANSMITTING DEVICE	4,459,595	332,074	LIGHT	
4225	METHOD OF STRESS ROLLING A METALLIC RIM	4,448,053	07/379,398	LIGHT	
3659	INFINITELY VARIABLE SEAT RECLINER MECHANISM	4,313,638	173,488	LIGHT	
3743CP	POWER SUPPLY FOR COMPUTING MEANS WITH DATA PROTECTED SHUTDOWN	4,307,455	20467	LIGHT	
3744CP	REAL TIME CLOCK USING COMPUTER AND SEPARATE COUNTING MEANS	4,303,850	20279	LIGHT	
3817	KINGPIN ASSEMBLY AND METHOD FOR MAKING THE SAME	4,286,799	76654	LIGHT	
3777	VEHICLE PASSIVE OCCUPANT RESTRAINING SYSTEM	4,274,657	06/040,656	LIGHT	
3609CIP	VEHICLE MONITORING AND RECORDING SYSTEM	4,258,421	20622	LIGHT	
3718	SEAT RECLINER MECHANISM	4,218,092	889,275	LIGHT	
96 1040	LINEAR FRICTION METHOD FOR MAKING WHEEL RIMS		08/689,860	LIGHT	
16AUT035	IMAGING DETECTOR ENHANCING DEVICE			LIGHT	
16AUT034	METHOD AND APPARATUS FOR DRIVING A LIQUID CRYSTAL DISPLAY		08/710,472	LIGHT	
16AUT033	METHOD AND APPARATUS FOR ENHANCING THE SELECT/NONSELECT RATIO OF A LIQUID CRYSTAL DISPLAY			LIGHT	
16AUT030	MOVING LINEAR PIEZOELECTRIC MOTOR FOR VEHICLE APPLICATIONS			LIGHT	
16AUT029	ROTARY PIEZOELECTRIC MOTOR FOR VEHICLE APPLICATIONS			LIGHT	

Case No.	Title	Patent No.	Appln. No.	L/H	4
95AUT040	SYSTEM AND METHOD FOR CONTROLLING A VEHICLE EMERGENCY RESPONSE NETWORK		08/691,663	LIGHT	
95AUT039	METHOD OF PROVIDING A TEXTUAL DESCRIPTION OF A REMOTE VEHICLE LOCATION		08/691,727	LIGHT	
95AUT032	NAVIGATION SIMULATOR AND RECORDER		08/710,473	LIGHT	
95AUT021	IMPROVED VEHICLE NAVIGATION SYSTEM AND METHOD USING A MULTIPLE AXIS ACCELEROMETER		08/580,177	LIGHT	
95AUT020	ZERO MOTION DETECTION SYSTEM FOR IMPROVED VEHICLE NAVIGATION SYSTEM		08/579,903	LIGHT	
95AUT018	NAVIGATION SYSTEM FOR USER DEFINABLE COST VALUES		08/713,627	LIGHT	
95AUT016	NAVIGATION SYSTEM WITH VEHICLE SERVICE INFORMATION		08/713,625	LIGHT	
95AUT009	IMPROVED VEHICLE NAVIGATION SYSTEM AND METHOD		08/580,150	LIGHT	
95AUT006	IMPROVED VEHICLE NAVIGATION SYSTEM AND METHOD USING GPS VELOCITIES		08/579,902	LIGHT	
95AUT026A	APPARATUS FOR REMOTE IMPLEMENTATION OF A COMMAND		08/510,757	LIGHT	
93AUT007A	LIFTGATE LATCH		08/518,608	LIGHT	
5642-B	AN APPARATUS FOR POSITION DETECTION AND VERIFICATION THEREOF USING PULSE PATTERNS HAVING SEQUENTIALLY UNIQUE		08/532,287	LIGHT	
5424A	KEYLESS ENTRY SYSTEM USING ROLLING CODES - CONT'D		08/609,093	LIGHT	

AUTOMOTIVE - Foreign Patents Issued and Pending

Case/Desg.	Title	Patent No.	Serial No.	Country
5630	LIGHT HORIZONTAL SEAT POSTION ADJUSTER	PCT	EP92920608.4	FRANCE
5629	LIGHT VERTICAL SEAT POSITION ADJUSTER	PCT	EP92919737.4	GERMANY
5629	LIGHT VERTICAL SEAT POSITION ADJUSTER	PCT	92919737.4	FRANCE
4571	LIGHT	P3469964.3	84104694.9	GERMANY
4585	LIGHT	P3469962.7	84104695.6	GERMANY
4570	LIGHT	P3464684.1	84104693.1	GERMANY
4569	LIGHT	P3462723.5	84104692.3	GERMANY
4585	LIGHT	84/3351	84/3351	S.AFRICA
4571	LIGHT	84/3350	84/3350	S.AFRICA
4570	LIGHT	84/3349	84/3349	S.AFRICA
4569	LIGHT	84/3348	84/3348	S.AFRICA
4570	LIGHT	572834	27496/84	AUSTRALIA
4569	LIGHT	564490	27493/84	AUSTRALIA
5558	LIGHT	2037749	237749	CANADA
4571	LIGHT	126333	84104694.9	BELGIUM
4571	LIGHT	126333	84104694.9	FRANCE
4571	LIGHT	126333	84104694.9	NETHERLAN
4571	LIGHT	126333	84104694.9	ITALY
4571	LIGHT	126333	84104694.9	SWEDEN
4571	LIGHT	126333	84104694.9	SWITZERLA
4571	LIGHT	126333	84104694.9	UK
4569	LIGHT	126331	84104692.3	BELGIUM
4569	LIGHT	126331	84104692.3	FRANCE
4569	LIGHT	126331	84104692.3	NETHERLAN
4569	LIGHT	126331	84104692.3	ITALY
4569	LIGHT	126331	84104692.3	SWEDEN
4569	LIGHT	126331	84104692.3	SWITZERLAN
4645	LIGHT	1241264	461535	UK
4679	LIGHT	1233106	463893	CANADA
4528	LIGHT	1229544	461948	CANADA
4571	LIGHT	1228920	453120	CANADA
4570	LIGHT	1217106	452623	CANADA
4585	LIGHT	1213053	453119	CANADA
4569	LIGHT	1213052	452625	CANADA
4305	LIGHT	1184674	401674	CANADA

PATENT

2	Case/Desc.	Title	Patent No.	Serial No.	Country
4215	LIGHT		1163180	379413	CANADA
4041	LIGHT		1160553	379559	CANADA
3659	LIGHT		1145655	379991	CANADA
3609	LIGHT	MONITORING AND RECORDING SYSTEM FOR VEHICLES	1137222	321475	CANADA
3777	LIGHT		1125244	350896	CANADA
3744	LIGHT	REAL TIME CLOCK USING COMPUTER AND SEPARATE COUNTING MEANS	1123209	321958	CANADA
3718	LIGHT		1112992	323740	CANADA
3743	LIGHT		1111140	320939	CANADA
3677	LIGHT	POWER SUPPLY FOR COMPUTING MEANS WITH DATA	1,093,302	328212	CANADA
5649	LIGHT	HEATING AND COOLING SYSTEM	0620787	93903462.5	FRANCE
5649	LIGHT		0620787	93903462.5	FRANCE
5630	LIGHT		0620787	69304190.0-0	GERMANY
5629	LIGHT		0602185	92920608.4	EUROPEAN
93COL004	LIGHT	HORIZONTAL SEAT POSITION ADJUSTER	0602168	EP92919737.4	EUROPE
4585	LIGHT	VERTICAL SEAT POSITION ADJUSTER	0588141		EUROPE
4585	LIGHT		0126334	84104695.6	BELGIUM
4585	LIGHT		0126334	84104695.6	FRANCE
4585	LIGHT		0126334	84104695.6	NETHERLAND
4585	LIGHT		0126334	84104695.6	ITALY
4585	LIGHT		0126334	84104695.6	SWEDEN
4585	LIGHT		0126334	84104695.6	SWITZERL
4570	LIGHT		0126334	84104695.6	UK
4570	LIGHT		0126332	84104693.1	BELGIUM
4570	LIGHT		0126332	84104693.1	FRANCE
4570	LIGHT		0126332	84104693.1	NETHERLAND
4570	LIGHT		0126332	84104693.1	ITALY
4570	LIGHT		0126332	84104693.1	SWEDEN
4570	LIGHT		0126332	84104693.1	SWITZERL
5630	LIGHT		0126332	84104693.1	UK
93AUT026	LIGHT	HORIZONTAL SEAT POSITION ADJUSTER	EP92920608.4		GERMANY
93AUT027	LIGHT	APPARATUS FOR REMOTE IMPLEMENTATION OF A COMMAND	94928055.6		GERMANY
93AUT026	LIGHT	METHOD FOR FRIEND/FOE SCREENING OF A REMOTE ACCESS COMMAND SIGNAL	947012		MEXICO
5709	LIGHT	APPARATUS FOR REMOTE IMPLEMENTATION OF A COMMAND	947011		MEXICO
92AUT021	LIGHT	SAFETY EDGE SWITCH FOR DETECTION OF OBSTRUCTIONS ENCOUNTERED BY A	93922325.1		EUROPE
5642	LIGHT	REMOTE VEHICLE ACCESS FEATURING HIGH SECURITY	93921624.8		EUROPE
5649	LIGHT		93918600.		EUROPE
5649	LIGHT	A SYS. FOR CONTROL OF ACTUATORS AND SWITCHES BY REMOTE	93903462.5		EUROPE

PATENT

3	Case/Desc.	Title	Patent No.	Serial No.	Country
5709	LIGHT	SAFETY EDGE SWITCH FOR DETECTION OF OBSTRUCTIONS ENCOUNTERED BY A			
5642	LIGHT	POSITION DETECTION APPARATUS	507590/94		JAPAN
5629	LIGHT	VERTICAL SEAT POSITION ADJUSTER	505509/94		JAPAN
5630	LIGHT	HORIZONTAL SEAT POSITION ADJUSTER	505419/93		JAPAN
93AUT026	LIGHT		505418/93		JAPAN
93AUT027	LIGHT		329430		ARGENTINA
5649	LIGHT		329429		ARGENTINA
5649	LIGHT		2126986		CANADA
5649	LIGHT	A SYSTEM FOR CONTROL OF ACTUATORS AND SWITCHES BY A REMOTELY	19013/DE/95		ITALY

PATENT