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01-28-1999

PATENTS ONLY



100952037

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached

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Bridgestone/Firestone, Inc.

2. Name and address of receiving party(ies):

Name: Bridgestone/Firestone Research, Inc.

Internal Address: _____

Street Address: 1659 South Main StreetCity: Akron State: OH ZIP: 44301Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: June 1, 1998

4. Application number(s) or registration numbers(s):

5,705,007

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: D. A. ThomasInternal Address: Law DepartmentStreet Address: 1200 Firestone ParkwayCity: Akron State: OH ZIP: 44317

6. Total number of applications and patents involved:

347

7. Total fee (37 CFR 3.41):.....\$ 13,880.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

06-0925

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Daniel N. Hall

January 25, 1998

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Signature

Date

Total number of pages including cover sheet, attachments, and document:

43

05MY1998 15 12 PAGE: 1
Pat No. 570500
Grant Dt 06JA1998

PCMASTER REPORTER

MASTER FILE REPORT
(CUR.OW.CD = "BFS" OR "FTR") AND
(DIV.CD NOT = "INDI" AND "NOBL")

ALL ACTIVE BFS AND FTR OWNED PATENTS

App No	App Date	Pat No.	Grant Dt	Div.	Owner	Attorney
576605 BOHM GEORG G YANG JAMES H	21DE1995	5705007	06JA1998	BFR	BFS CSM	METHOD FOR FORMING CORD-REINFORCED ELASTOMERIC STRIPE (AS AM ENDED)
281319 HALL JAMES E	28JL1994	5717042	10FE1998	RES	BFS FJT	PROCESS FOR PREPARING DIENE OLIGOMERS AND COPOLYMERIC OLIGOMERS
778924 ANTKOWIAK THOMAS A	03JA1997	5730910	24MR1998	SYN	BFS DNH	METHOD FOR PREPARING POLYMETALATED COMPOSITIONS
049901 HANLON WILLIAM C LASSAN TIMOTHY	02FE1996	D384614	07OC1997	TIRD	BFS CSM	"TIRE TREAD" P1366 DAYTON WIDETRACK HR
053597 REGALLIS JOHN J HANLON WILLIAM C BLANKENSHIP LEONARD F	22AP1996	D384617	07OC1997	TIRD	BFS CSM	P1395 (DAYTON TRADE)
053698 GUSPODIN JAMES G REGALLIS JOHN J BLANKENSHIP LEONARD F BEUTLER ELIZABETH M	03SE1996	D384618	07OC1997	TIRD	BFS CSM	TIRE TREAD P1401
054181 GUSPODIN JAMES G WALLET BILL J	08MY1996	D384918	14OC1997	TIRD	BFS CSM	TIRE TREAD (30K COMMON FOR DAYTON P.B.)
049873 GUSPODIN JAMES G	02FE1996	D386453	18NO1997	DEV	BFS CSM	"TIRE TREAD" P1394 DAYTON 30K COMMON
049902 GUSPODIN JAMES G	02FE1996	D386454	18NO1997	TIRD	BFS CSM	"TIRE TREAD" P1389 DAYTON 30K COMMON
058297 HIMURO YASUO GUSPODIN JAMES G	26JE1996	D387312	09DE1997	TIRD	BFS CSM	TIRE TREAD INDY RAIN DESIGNS
061647 LASSAN TIMOTHY J BLANKENSHIP LEONARD F BEAUVAIS MICHEL	28OC1996	D387713	16DE1997	TIRD	BFS CSM	TIRE TREAD T710 LT TRUCK INFLATION
053034 GUSPODIN JAMES G HANLON WILLIAM C	17AP1996	D390513	10FE1998	TIRD	BFS CSM	"TIRE TREAD" P1350 DAYTON WIDETRACK RADIAL SR

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App No App Date Pat No. Grant Dt Div. Owner Attorney

067349 04MR1997 D390514 10FE1998 TIRD BFS CSM
GUSPODIN JAMES G
WALLET BILL J
LASSAN TIMOTHY J
TIRE TREAD P1470 NEW PATROL TIRE

05MY1998 15 12 PAGE: 2
Pat No. D39051
Grant Dt 10FE1998

067431 07MR1997 D390516 10FE1998 TIRD BFS CSM
LASSAN TIMOTHY J
BLANKENSHIP LEONARD F
REGALLIS JOHN J
TIRE TREAD T0708

068073 28FE1997 D390517 10FE1998 TIRD BFS CSM
GUSPODIN JAMES G
MOLNAR JOSEPH F
TIRE TREAD (P1433 G.M. OE)

067430 07MR1997 D390559 10FE1998 TIRD BFS CSM
GUSPODIN JAMES G
REGALLIS JOHN J
BLANKENSHIP LEONARD F
TIRE TREAD (P1445 - POLARIS R4000)

053692 24AP1996 D390816 17FE1998 TIRD BFS CSM
LASSAN TIMOTHY J
WALLET BILL J
MOLNAR JOSEPH F
TIRE TREAD GMT425

064301 27DE1996 D390819 17FE1998 TIRD BFS CSM
BLANKENSHIP LEONARD F
WURST BRADLEY J
TIRE TREAD P1441 FIRESTONE SNOW TIRE

066197 07FE1997 D390820 17FE1998 TIRD BFS CSM
GUSPODIN JAMES G
ROBINSON TIMOTHY
TIRE TREAD P1432 FORD O.E. LINCOLN T.C.

067530 06MR1997 D391208 24FE1998 TIRD BFS CSM
GUSPODIN JAMES G
JOHNSON DAVID A
TIRE TREAD (P1457 FORD OE)

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ALL ACTIVE BPS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
-----	-----	-----	-----	---	----	----
450719 14DE1989 WALLET BILL J ROBINSON TIMOTHY F		322951	07JA1992 TIRE (T-643/T-651)	DEV	PTR	EHR
559119 30JL1990 CUSPODIN JAMES G CHARLES STEVEN M		328271	28JL1992 TIRE (P-1180)	DEV	PTR	EHR
509541 16AP1990 LASSAN TIMOTHY J		329031	01SE1992 TIRE (P-1181-AA)	DEV	PTR	EHR
575521 29AU1990 LASSAN TIMOTHY J		329411	15SE1992 TIRE (P-1189)	DEV	PTR	EHR
537533 12JE1990 HINRICHSN SILVANA CECCARELLI ALESSANDRO		333285	16FE1993 TIRE FOR VEHICLE (EUT-593)	FIDC	PTR	EHR
702195 15MY1991 CUSIMANO II FRED J CUSPODIN JAMES G DOUGHERTY DANIEL P		335483	11MY1993 "TIRE" (P1213)	BPR	PTR	EHR
733408 22JL1991 CUSPODIN JAMES G		335840	25MY1993 TIRE (P1211)	DEV	PTR	EHR
733557 22JL1991 CUSPODIN JAMES G		336066	01JE1993 TIRE (P1210)	DEV	BPS	EHR
673221 21MR1991 HINRICHSN SILVANA CECCARELLI ALESSANDRO		336269	08JE1993 TRUCK TIRE (RADIAL) EUT-571	FIDC	PTR	EHR
660118 21FE1991 CUSPODIN JAMES G REGALLIS JOHN J		339559	21FE1993 TIRE (P-1192)	DEV	BPS	EHR
896563 09JE1992 LASSAN TIMOTHY J		341804	30NO1993 PN96 ASYMMETRIC TIRE	DEV	BPS	EHR

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ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
911226	09JUL1992	345723	05AP1994	DEV	BFS	EHR
CUSPODIN JAMES G						
948712	14SEP1992	345951	12AP1994	DEV	BFS	EHR
CUSPODIN JAMES G						
REGALLIS JOHN J						
016119	08DEC1993	354466	17JAL1995	DEV	BFS	EHR
REGALLIS JOHN J						
STEWART DAVID L						
016328	13DEC1993	354467	17JAL1995	DEV	BFS	EHR
WALLET BILL J						
REGALLIS JOHN J						
CARNEY KAREN J						
022773	11MY1994	365061	12DEC1995	DEV	BFS	CSM
LASSAN TIMOTHY J						
ROBINSON TIMOTHY F						
030631	03NO1994	368450	02AP1996	DEV	BFS	SAN
LASSAN TIMOTHY J						
REGALLIS JOHN J.						
WURST BRADLEY J						
029483	06OC1994	368451	02AP1996	DEV	BFS	CSM
WALLET BILL J						
REGALLIS JOHN J						
WURST BRAD J						
034167	27JAL1995	374644	15OC1996	DEV	BFS	CSM
CUSPODIN JAMES G						
HANTON WILLIAM C						
359546	18MR1982	D274612	10JUL1984	DEV	PTR	EHR
CERIO MICHAEL A						
LARSEN GARY R						

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PATENT-NUMBER
D28891
GRANT-DT
3870324(CTY.CD = "USA") AND (STATUS = "C") AND
(CUR.OM.CD = "BPS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
ALL ACTIVE BPS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
-----	-----	-----	-----	---	----	----
WALLETT BILL J	673079 19NO1984	D288917	24MR1987 TIRE (P-1040)	DEV	PTR	EHR
HINRICHSSEN SILVANA	617880 06JF1984	D289275	14AP1987 TIRE TREAD (EUT-546)	PIDC	PTR	EHR
WALLETT BILL J	801359 25NO1985	D294133	09FE1988 TIRE (P-1050)	DEV	PTR	EHR
WALLETT BILL J	801260 25NO1985	D294135	09FE1988 TIRE (P-1045)	DEV	PTR	EHR
HINRICHSSEN SILVANA	857772 25AP1986	D295035	05AP1988 VEHICLE TIRE (EUP-244)	PIDC	PTR	EHR
WALLETT BILL J	833462 18FE1986	D295036	05AP1988 TIRE (P-1070)	DEV	PTR	EHR
HOLMAR JOSEPH P	WALLETT BILL J	D299328	10JA1989 TIRE (P-1019)	TEHC	PTR	EHR
LYLE WILLIAM W	887681 21JL1986	D299329	10JA1989 TIRE (P-1080)	DEV	PTR	EHR
SLADKY DONALD J	921017 20OC1986	D299330	10JA1989 TIRE (P-1057)	DEV	PTR	EHR
WALLETT BILL J	873639 12JF1986	D299331	10JA1989 TIRE (P-1060)	DEV	PTR	EHR
WALLETT BILL J	873638 12JF1986	D299711	07FE1989 TIRE (P-1059)	DEV	PTR	EHR
WALLETT BILL J	934533 24NO1986	D301857	27JF1989 TIRE (P-1082)	DEV	PTR	EHR
CLUNK RONALD I						
WALLETT BILL J						

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PATENT-NUMBER D28123
GRANT-DT 3851105

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
546346	28OCT1983	D281238	05NOV1985	PIDC	PTR	EHR
HINRICHSSEN SILVANA						
586174	05MAY1984	D282455	04FEB1986	PIDC	PTR	RBB
BALBIS MANUEL C						
HARDY GAYLE M						
586176	05MAY1984	D282456	04FEB1986	DEV	PTR	EHR
LARSEN GARY R						
GRAY HAROLD C						
630910	13JUL1984	D282457	04FEB1986	DEV	PTR	EHR
LARSEN GARY R						
GRAY HAROLD C						
571318	16JUL1984	D283212	01APR1986	DEV	PTR	EHR
HARTINI MICHAEL E						
WALLEY BILL J						
620589	13JUL1984	D283214	01APR1986	DEV	PTR	EHR
SLADKY DONALD J						
586177	05MAY1984	D283215	01APR1986	DEV	PTR	EHR
LARSEN GARY R						
GRAY HAROLD C						
591072	19MAY1984	D283216	01APR1986	DEV	PTR	EHR
LARSEN GARY R						
GRAY HAROLD C						
599895	12APR1984	D284363	24JUL1986	PIDC	PTR	EHR
HINRICHSSEN SILVANA						
673065	19NOV1984	D288680	10MAY1987	DEV	PTR	EHR
WALLEY BILL J						
673067	19NOV1984	D288916	24MAY1987	DEV	PTR	EHR
WALLEY BILL J						

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PATENT-NUMBER D27471
GRANT-DT 3840717(CTY.CD = "USA") AND (STATUS = "C") AND
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ALL ACTIVE BPS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
358122	15MR1982	D274715	17JUL1984	RENG	PTR	EHR
BAUMGARDNER R RICHARD						
419335	17SE1982	D277174	15JUL1985	DEV	PTR	EHR
CASIMIRO A ROBERT						
VALLET BILL J						
368344	14AP1982	D277272	22JUL1985	DEV	PTR	EHR
SLADKY D J						
VANDEWATER W J						
474219	11MR1983	D277951	12MR1985	DEV	PTR	EHR
MOLNAR JOSEPH P						
VALLET BILL J						
544845	24OC1983	D278137	26MR1985	DEV	PTR	EHR
LARSEN GARY R						
GRAY HAROLD C						
483022	07AP1983	D278219	02AP1985	DEV	PTR	EHR
GRAY HAROLD C						
500500	02JE1983	D278220	02AP1985	DEV	PTR	EHR
MCDONALD PETER						
512260	11JUL1983	D278524	23AP1985	DEV	PTR	EHR
MOLNAR JOSEPH P						
VALLET BILL J						
461360	27JUL1983	D279091	04JE1985	EURO	PTR	EHR
BALBIS MANUEL C						
HINRICHSSEN SILVANA						
496720	20MY1983	D279891	30JUL1985	DEV	PTR	EHR
GERMAN JOHN D						
SLADKY DONALD J						
496723	20MY1983	D279971	06AUG1985	DEV	PTR	EHR
VALLET BILL J						

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ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
60583	10JZ1987	D302961	22AU1989	DEV	PTR	EHR
GRAY HAROLD C						
60587	11JZ1987	D304562	14NO1989	DEV	PTR	EHR
GUSPODIN JAMES G						
38273	13AP1987	D304917	05DE1989	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
38272	13AP1987	D304918	05DE1989	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
71497	09JL1987	D304919	05DE1989	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
140839	04JA1988	D306844	27MR1990	DEV	PTR	EHR
WALLET BILL J						
109631	16OC1987	D306845	27MR1990	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
CEROCCHI LUCIO						
124187	23NO1987	D306846	27MR1990	DEV	PTR	EHR
GUSPODIN JAMES G						
122719	19NO1987	D306847	27MR1990	DEV	PTR	EHR
GUSPODIN JAMES G						
135191	18DE1987	D308188	29MY1990	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
CECCARELLI ALESSANDRO						
135104	18DE1987	D308189	29MY1990	FIDC	PTR	EHR
HINRICHSSEN SILVANA						
CECCARELLI ALESSANDRO						
233517	18AU1988	D312230	20NO1990	DEV	PTR	EHR
WALLET BILL J						
MOLNAR JOSEPH F						

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ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
-----	-----	-----	-----	---	----	----
220828 18JL1988 GUSPODIN JAMES G		D312231	20NO1990 TIRE (P1100/P1120)	DEV	PTR	EHR
194694 16MY1988 WALLET BILL J GUSPODIN JAMES G		D312232	20NO1990 TIRE (P1096/P1109)	DEV	PTR	EHR
233518 18AU1988 MOLNAR JOSEPH F WALLET BILL J		D312233	20NO1990 TIRE (P-1135)	DEV	PTR	EHR
247812 22SE1988 YARBOROUGH DAVID A		D312603	04DE1990 TIRE (P-1114)	DEV	PTR	EHR
370510 22JE1989 WALLET BILL J MOLNAR JOSEPH F		D316388	23AP1991 TIRE (P-1153)	DEV	PTR	EHR
432445 06NO1989 GUSPODIN JAMES G		D321852	26NO1991 TIRE (P1141/P1157)	DEV	PTR	EHR
823641 21JA1992 HIMURO YASUO WALLET BILL J		D348423	05JL1994 "TIRE" (FIREHAWK ATX)	DEV	BFS	EHR
017738 21JA1994 LASSAN TIMOTHY J WALLET BILL J KRUPA DENNIS W		D362211	12SE1995 TIRE P1237AE	DEV	BFS	SAN
022038 30MR1994 GUSPODIN JAMES G FRIER JOHN J KLAS ROGER N		D362222	12SE1995 "TIRE" (KNOBBY RADIAL TRACTOR TIRE)	DEV	BFS	SAN
026187 21JL1994 KRUPA DENNIS W GUSPODIN JAMES G MARBLE ROGER W		D364594	28NO1995 "TIRE" FIREHAWK SS10 P1299	DEV	BFS	SAN

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(CTY.CD = " USA") AND (STATUS = "O") AND
(CUR.OW.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
016022	02DE1993	D365789	02JA1996	DEV	BFS	SAN
LASSAN TIMOTHY J		TIRE P1260AA				
ROBINSON TIMOTHY F						
023612	27MY1994	D366018	09JA1996	DEV	BFS	SAN
KRUPA DENNIS W		"TIRE" FIRESTONE				
WALLET BILL J		FIREHAWK TOURING H				
MOLNAR JOSEPH F		X-FLAT PROP 11B				
016600	20DE1993	D366233	16JA1996	DEV	BFS	SAN
LASSAN TIMOTHY J		"TIRE" (P1278) 80K TOURING				
ROBINSON TIMOTHY F		TIRE - FIRESTONE BRAND				
034089	27JA1995	D370441	04JE1996	TIRD	BFS	CSM
GUSPODIN JAMES O		"TIRE" P1319				
HANLON WILLIAM C		ROAD KING SPORT SR				
034091	27JA1995	D370442	04JE1996	TIRD	BFS	CSM
GUSPODIN JAMES O		(P1317 TIRE				
HANLON WILLIAM C		DAYTONA SR DESIGN)				
034831	13FE1995	D370443	04JE1996	TIRD	BFS	SAN
LASSAN TIMOTHY J		"TIRE" ROAD KING				
GUSPODIN JAMES O		P1310				
WURST BRADLEY J						
034090	27JA1995	D375709	19NO1996	DEV	BFS	CSM
GUSPODIN JAMES O		"TIRE" P1320				
HANLON WILLIAM C		ROAD KING SPORT RVX				
054554	16MY1996	D377330	14JA1997	TIRD	BFS	CSM
KAKECAWA H		TIRE TREAD				
GUSPODIN JAMES O		P1407 HONDA O.E. 5-RIB				
BRYNE FRANCIS J						
039200	23MY1995	D379336	20MY1997	DEV	BFS	CSM
HANLON WILLIAM C		(TIRE TREAD				
MILESKI MICHAEL A		P1336 - DAYTON HR2)				
MAKI KASH						
LASSAN TIMOTHY J						

PATENT MASTER REPORTER

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
039907	07JZ1995	D379337	20MY1997	DEV	BFS	CSM
GUSPODIN JAMES G			TIRE TREAD "P1305"			
REGALLIS JOHN J						
ROBINSON TIMOTHY F						
044350	22SE1995	D379338	20MY1997	DEV	BFS	CSM
GUSPODIN JAMES G			TIRE TREAD			
HAUSZ FRANCIS C						
044354	22SE1995	D379339	20MY1997	DEV	BFS	CSM
GUSPODIN JAMES G			TIRE TREAD			
BLANKENSHIP LEONARD F						
046790	05OC1995	D379790	10JZ1997	DEV	BFS	CSM
GUSPODIN JAMES G			TIRE TREAD - P1337			
HANLON WILLIAM C			TRIUMPH/LEMAN'S RADIAL SR			
053540	24AP1996	D380998	15JUL1997	TIRD	BFS	CSM
LASSAN TIMOTHY J			CHT425 6-RIB ASYMMETRICAL			
WALLET BILL J						
MOLNAR JOSEPH F						
053368	19AP1996	D381944	05AU1997	TIRD	BFS	CSM
REGALLIS JAMES J			TIRE TREAD (P1403)			
LASSAN TIMOTHY J						
KEEF DAVID M.						
054558	16MY1996	D382236	12AU1997	TIRD	BFS	CSM
KATAGAWA H			TIRE TREAD			
GUSPODIN JAMES G			P1408 HONDA O.E. 4-RIB			
BRYNE FRANCIS J						
848958	07NO1977	4139490	13FE1979	RES	PTR	PJT
HALLASA ADEL F			DEHYDROCARBYL MAGNESIUM AND AN			
HALL J E			ALKALI METAL COMPOUNDS			
SCHULZ D N			CATALYST COMPOSITION FOR			
			POLYMERIZING CONJUGATED DIENES			
937007	25AU1978	4174431	13NO1979	RES	PTR	PJT
HALLASA A F			PROCESS FOR POLYMERIZING			
HALL J E			CONJUGATED DIENES			
SCHULZ D N						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
899954	25AP1978	4177233	04DE1979	RES	PTR	DAT
ROBERTS D T			METHOD FOR FORMING SIDEWALL STRIP IN A TIRE			
906721	17MY1978	4179321	18DE1979	BOMB	PTR	DAT
VERCHESE GEORGE T			METHOD OF APPLYING AND ADHERING LUBRICANT TO A TIRE INNER TUBE AS IT IS FORMED			
958477	07NO1978	4180794	25DE1979	RES	PTR	DAT
CLAXTON WILLIAM E			TIRE DEFLECTION SENSING METHOD AND APPARATUS			
956944	02NO1978	4195679	01AP1980	RES	PTR	DNE
SCHONFELD S E RAVAGNANI F J			COMPOSITION & PRODUCT WITH IMPROVED ADHESION BETWEEN A METAL MEMBER & A CONTIGUOUS CURED RUBBER SKIN STOCK			
968542	11DE1978	4203481	20MY1980	TENG	PTR	DAT
RANIK W J JR			PNEUMATIC TIRE RIM AND COMBINATION THEREOF			
940540	08SE1978	4203874	20MY1980	RES	PTR	DNE
HALLASA ADEL F RAVAGNANI F J SCHONFELD S E			METHOD COMPOSITION & PRODUCT WITH IMPROVED ADHESION BETWEEN A METAL MEMBER & CONTIGUOUS CURED RUBBER SKIN STOCK			
946911	28SE1978	4216126	05AU1980	RES	PTR	DNE
KAY E L			ACCELERATED RUBBER COMPOSITION			
930769	03AU1978	4228839	21OC1980	RES	PTR	DAT
BOEM G O A DETRANO MARIO			SELF-SEALING PNEUMATIC TIRE			
908345	12JE1978	4230649	28OC1980	RES	PTR	DNE
BOEM GEORG O A GROSS STANLEY			APPARATUS & METHOD FOR CONTINUOUS TREAD PRODUCTION SEEDIV114094(1/21/80)			
906575	16MY1978	4233013	11NO1980	RES	PTR	DNE
BOEM GEORG O A BARBIN WM W			APPARATUS FOR PRODUCING CONTINUOUS CURED RUBBER STRIPS			
965451	30NO1978	4239663	16DE1980	RES	PTR	DNE
RAVAGNANI F J SCHONFELD S E			METHOD COMPOSITION & PRODUCT WITH IMPROVED ADHESION BETWEEN A METAL MEMBER & A CONTIGUOUS RUBBER SKIN STOCK			

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ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
36625	07MY1979	4249979	10PE1981	ENOL	PTR	DAT
BURLY GEORGE JAY						
81755	04OC1979	4252378	24PE1981	RES	PTR	DNE
DEBOLT REUBEN A MAGLIO RALPH A SICKA RICHARD W						
61970	30JL1979	4257836	24MR1981	RES	PTR	DAT
BENEZE HEINZ W						
68824	22AU1979	4258770	31MR1981	RES	PTR	DNE
DAVIS JAMES A KANG JUNG W						
98148	28NO1979	4260889	07AP1981	CENG	PTR	EHR
OSBORN WILLIAM E SYMENS RONALD E						
93463	13NO1979	4267079	12MY1981	RES	PTR	DNE
DAVIS JAMES A KOCH ROBERT C						
128002	07MR1980	4276012	30JE1981	RES	PTR	EHR
YANG JAMES H C						
96967	23NO1979	4278121	14JL1981	DEV	PTR	EHR
MCDONALD PETER						
114094	21JA1980	4285654	25AU1981	RES	PTR	DNE
BOHM GEORG O GROSS STANLEY S						
147669	07MY1980	4293358	06OC1981	CENG	PTR	RBB
LOEFFLER EARL F WEYAND HARLEY P JR						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
181588	27AU1980	4300878	17NO1981	INTL	PTR	EHR
IBLE DONALD GORDON						
EXTRUSION DIE FOR FORMING COMPOSITE RUBBERCORD STRIP						
156893	05JE1980	4311181	19JA1982	RES	PTR	DNH
HAUSCH WALTER						
AMBIENT TEMPERATURE APPLICATION OF INDICIA TO ELASTOMER SUBSTRATES SEE7902033 SEE DIV320824(11/12/81)						
147668	07MY1980	4314864	09FE1982	CENG	PTR	RBB
LOEFFLER EARL P						
METHOD AND APPARATUS FOR BUILDING A TIRE						
179601	19AU1980	4317479	02MR1982	TIDE	PTR	EHR
MCDONALD PETER						
ADDITION MEMBERS FOR RUBBER ARTICLES						
179596	19AU1980	4318436	09MR1982	ADTE	PTR	EHR
SHURMAN LOUIS W						
TIRE SIDEWALL ADDITION MEMBERS THAT UNDERGO PERCEPTIBLE CHANGE DURING ABNORMAL OPERATION						
184681	08SE1980	4319943	16MR1982	WILS	PTR	EHR
RAYGUA DOUGLAS A						
FOLDED BEAD FILLER CONSTRUCTION						
164127	30JE1980	4327138	27AP1982	RES	PTR	DNH
HAUSCH WALTER R						
APPLICATION OF AMBIENT TEMPERATURE CURED POLYMERS OR PREPOLYMERS TO A CURED ELASTOMER SEE DIV316023(10/28/81) SEE CIP477451(3-21-83)						
126513	03MR1980	4359354	16NO1982	RES	PTR	DNH
BOHM GEORG G A						
METHOD OF FORMING SELF-SEALING TIRE BODY COMPOSITE FOR TIRES						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
147644	07MY1980	4359675	16NO1982	CENG	PTR	RBB
MILLER NICK M III			ELECTRICAL CONTROL SYSTEM AND METHOD FOR A TIRE BUILDING MACHINE SERVER			
200877	27OC1980	4369983	25JA1983	RES	PTR	RBB
CHAREK LEONARD F			TRAILER WITH MASS RESTRAINT			
321983	16NO1981	4426901	24JA1984	EQDE	PTR	RBB
HOGAN JAMES E CAMPLAIR GEORGE M			CRUSH CUTTER			
477452	21MR1983	4434832	06MR1984	RES	PTR	DNH
KOCH RUSSELL W BARBIN WILLIAM W			ROOM TEMPERATURE CURABLE TIRE PATCH			
345195	02FE1982	4442499	10AP1984	RES	PTR	EHR
SEXULA PAUL J POTTS GERALD R			DEVICE AND METHOD FOR PRODUCING PNEUMATIC TIREHAVING PRESELECTED NOISE CHARACTERISTICS			
386373	08JE1982	4443290	17AP1984	APSE	PTR	RBB
LOEFFLER EARL R BARRICKMAN STEPHEN R JOHNSON JOHN A			WORK STATION			
261426	07MY1981	4445562	01MY1984	RES	PTR	DNH
BOHM GEORG G A DE TRANO MARIO HALL JAMES E			SEALANT COMPOSITIONS HAVING, AS AN ESSENTIAL COMPONENT, HYDROGENATED POLYBUTADIENE AS NETWORK POLYMER SEE DIV604290(4/26/84)			
525361	22AU1983	4454000	12JE1984	FIDC	PTR	EHR
SCHLEMMER ROBERT			MOTORIZED TOOL FOR JOINING SELF ADHESIVE PLIES OF UNVULCANIZED RUBBER			
529461	06SE1983	4465829	14AU1984	RES	PTR	FJT
GRAVES DANIEL F			ELASTOMERIC COMPOSITION COMPRISING NATURAL RUBBERFOR USE UNDER DYNAMIC, HIGH HEAT CONDITIONS			

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
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383426	01JF1982	4469450	04SE1984	CENG	PTR	EHR
DI VINCENTO C L			AN ELECTROACOUSTIC METHODFOR NONDESTRUCTIVELY MONITORING THE INTERNAL TEMPERATURE OF OBJECTS			
477453	21MR1983	4485135	27NO1984	RES	PTR	DNE
KOCH RUSSELL W			AMBIENT TEMPERATURE CURE OF ELASTOMERIC ARTICLES HAVING A DEFORMITY THEREIN			
477454	21MR1983	4485136	27NO1984	RES	PTR	DNE
KOCH RUSSELL W HAUSCH WALTER R			AMBIENT TEMPERATURE REPAIR OF ELASTOMERIC ARTICLES HAVING A HOLLOW THEREIN			
569418	09JA1984	4495326	22JA1985	RES	PTR	PJT
DONATELLI THOMAS F MURRAY PHILIP F			RUBBER COMPOUNDS CONTAINING ZINC DIMETHACRYLATE			
543705	20OC1983	4500466	19FE1985	RES	PTR	PJT
HAYES ROBERT A CONARD WENDELL R			METHOD FOR PREPARING A ZINC DIMETHACRYLATE POWDER HAVING A SPECIFIC SURFACE AREA RANGE			
543706	20OC1983	4529770	16JL1985	RES	PTR	PJT
HAYES ROBERT A CONARD WENDELL R			VULCANIZABLE POLYMERIC COMPOSITIONS CONTAINING ZINC DIMETHACRYLATE & FILLERS			
659801	11OC1984	4556382	03DE1985	APSE	PTR	EHR
NADBAU JOHN F VARVARO ALEXANDER J			DIE ASSEMBLY FOR TIRE TREAD EXTRUDATE			
732031	08MY1985	4562730	07JA1986	OKCY	PTR	RBB
COWMAN JERRY A			METHOD AND APPARATUS FOR DYNAMIC BALANCE DETECTIONOF A CALENDER STRIP			

PATENT-NUMBER
GRANT-DT

32295
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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
704243	22FE1985	4578024	25MR1986	RES	PTR	EHR
SICKA RICHARD W						
TOMPKINS DALE A						
713168	18MR1985	4602054	22JUL1986	RES	PTR	DNE
KANG JUNG W						
DAVIS JAMES A						
633550	23JUL1984	4608890	02SE1986	APSE	PTR	RBB
STILL DONALD O						
HOVANCE HUBERT T						
BURLLEY GEORGE J						
718666	01AP1985	4618519	21OC1986	RES	PTR	DNE
KOCH RUSSELL W						
SNYDER DOUGLAS D						
807076	09DE1985	4657718	14AP1987	RES	PTR	EHR
SICKA RICHARD W						
TOMPKINS DALE A						
885104	14JUL1986	4663889	12MY1987	SYSE	PTR	EHR
STRAND JOHN						
KLAUSE DAVID P						
ERICKSON CHRISTOPHER						
766228	16AUL1985	4684420	04AUL1987	RES	PTR	DNE
BRYANT LYNN A						
ROBERTS DURWARD T JR						
BECKMAN JOSEPH A						
TAZEWELL JOSEPH E						
CETNAR JAMES F						
853250	17AP1986	4713409	15DE1987	RES	PTR	FJT
HAYES ROBERT A						
CONARD WENDELL R						
872313	09JUL1986	4718469	12JAL1988	RES	PTR	DNE
KOCH RUSSELL W						
SNYDER DOUGLAS D						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
869629	02JF1986	4720526	19JAL1988	RES	PTR	PJT
ROLAND CHARLES M CURED RUBBER COMPOSITIONS OF HIGH MODULUS						
35406	07AP1987	4726861	23FE1988	FIDC	PTR	EHR
VORIE WILLIAM J METHOD AND DEVICE FOR AUTOMATICALLY CENTERING AND FEEDING BEADS ONTO A TIRE BUILDING DRUM						
50661	18MY1987	4728274	01MR1988	FIDC	PTR	EHR
SIEGENTHALER KARL J TIRE CURING SYSTEM						
913421	30SE1986	4732196	22MR1988	RES	PTR	DNH
KOCH RUSSELL W ELASTOMER ARTICLE WITH AMINE CURABLE LAYER OF POLYMER						
71673	09JL1987	4741682	03MY1988	FIDC	PTR	EHR
MAURO ROBERTO TIRE MOLDING PRESS						
50660	18MY1987	4747765	31MY1988	FIDC	PTR	EHR
SIEGENTHALER KARL J MOBILE TIRE CURING UNIT						
35679	07AP1987	4753707	28JF1988	FIDC	PTR	EHR
CROMBIE WILLIAM TWIN ROTARY DRUM TIRE MANUFACTURING UNIT						
878716	26JF1986	4765852	23AU1988	RES	PTR	DNH
KOCH RUSSELL W TIRE REPAIR BY "PATCH ONLY" METHOD						
890058	28JL1986	4776909	11OC1988	RES	PTR	DNH
BOHM GEORG G A METHOD FOR MAKING COEXTENDED SEAMLESS TUBULAR TIRE BODIES FOR USE IN PNEUMATIC TIRES						

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(CTY.CD = " USA") AND (STATUS = "Q") AND
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 ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
104605	050C1987	4787150	29NO1988	ENOR	PTR	EHR
KLINGINSMITH NEILL W FIXTURE FOR CHECKING THE ALIGNMENT OF A LOADWHEEL WITH THE SPINDLE OF A TIRE UNIFORMITY MACHINE						
129562	07DE1987	4788229	29NO1988	RES	PTR	DNH
BOHM GEORG G A RUBBER COMPOSITIONS PROCESS, MODIFIED RUBBERSAND						
493108	09MY1983	4824515	25AP1989	APSE	PTR	RBB
STILL DONALD O HOVANCE HUBERT T BURLEY GEORGE J PLY APPLICATOR SEEDIV764804(8/ 12/85).						
764804	12AU1985	4857123	15AU1989	APSE	PTR	RBB
STILL DONALD O HOVANCE HUBERT T BURLEY GEORGE J METHOD FOR PLY APPLICATION						
493087	09MY1983	4858505	22AU1989	APSE	PTR	RBB
STILL DONALD O HOVANCE HUBERT T BURLEY GEORGE J PIVOTABLE KNIFE						
110594	16OC1987	4874443	17OC1989	APSE	PTR	RBB
KIPLING KENT K METHOD FOR APPLYING ELASTOMERI C MATERIAL ON TO A DRUM						
51436	18MY1987	4877468	31OC1989	FIDC	PTR	EHR
SIEGENTHALER KARL J HOT TIRE FORMING METHOD						
452851	23DE1982	4887501	19DE1989	APSE	PTR	RBB
STILL DONALD O BURLEY GEORGE J STABILIZER PLY TRIMMER						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
288594	22DE1988	4892473	09JA1990	JOLI	PTR	EHR
ELIA GERARDO P ARBOUR GAETAN PODOBNIK IVAN Z						
226944	01AU1988	4902372	20FE1990	APSE	PTR	RBB
MICK RONALD L JR KIPLING KENT K						
295741	10JA1989	4904319	27FE1990	SYSE	PTR	EHR
DIVINCENZO COSTANTINO WOOD IRA L						
829684	14FE1986	4925894	15MY1990	RES	PTR	PJT
PUTAKURA SHINGO						
207845	17JE1988	4929684	29MY1990	RES	PTR	PJT
ROLAND C MICHAEL BOHM GEORG G A SCHONFELD STEVEN E						
339543	17AP1989	4930560	05JE1990	FIDC	PTR	EHR
LESTI FRANCO CARPENTIER JEAN M						
338670	17AP1989	4948354	14AU1990	FIDC	PTR	EHR
MINAUDO DIEGO						
366114	14JE1989	4982836	08JA1991	ENCR	PTR	RBB
STUYERS ROGER L						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
353945	19MY1989	4987192	22JA1991	RES	PTR	PJT
OBERSTER ARTHUR E ROLAND CHARLES M BOHM GEORG G A						
208715	20JE1988	4987808	29JA1991	RES	PTR	EHR
SICKA RICHARD W TOMPKINS DALE A KUTINDIC PETER						
366044	14JE1989	4995531	26FE1991	ENGR	PTR	RBB
SUMMERS ROGER L						
260631	21OC1988	5001171	19MR1991	RES	PTR	DNH
BOHM GEORG G A GRAVES DANIEL F						
239907	02SE1988	5004635	02AP1991	DEV	PTR	EHR
GRIZBLING STEPHEN T						
474131	14NO1988	5045376	03SE1991	HOLR	PTR	DAT
HOLROYD ERIC PERKINS DAVID J						
339835	18AP1989	5047110	10SE1991	RES	PTR	DNH
BRYANT LYNN A TAZEWELL JOSEPH H ROBERTS D THOMAS						
474132	14NO1988	5053098	01OC1991	HOLR	PTR	DAT
PERKINS DAVID J HOLROYD COLIN						
557191	24JL1990	5062782	05NO1991	RES	PTR	EHR
TOMPKINS DALE A SICKA RICHARD W						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
506306	09AP1990	5066729	19NO1991	RES	PTR	PJT
STAYER MARK L ANTKOWIAK THOMAS A LAWSON DAVID F KOCH RUSSELL W						
557378	24JUL1990	5069850	03DEC1991	RES	PTR	EHR
TOMPKINS DALE A SICKA RICHARD W						
586489	21SEP1990	5080835	14JUL1992	BFR	PTR	DNH
KANG JUNG W						
474126	14NO1988	5098768	24MR1992	HOLR	PTR	DAT
HOLROYD ERIC PERKINS DAVID J						
624437	07DEC1990	5099892	31MR1992	FIDC	PTR	EHR
SIZCENTHALER KARL J						
624430	07DEC1990	5099893	31MR1992	FIDC	PTR	EHR
GIORGETTI CARLO						
632410	21DEC1990	5099902	31MR1992	DEV	PTR	EHR
SHURMAN LOUIS W						
474128	14NO1988	5100490	31MR1992	HOLR	PTR	DAT
HOLROYD ERIC WRIGHT ANTHONY R						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
557674	24JUL1990	5108682	28AP1992	RES	PTR	EHR
TOMPKINS DALE A SICKA RICHARD W						
732851	19JUL1991	5109907	05MY1992	RES	PTR	FJT
STAYER MARK L ANTKOWIAK THOMAS A LAWSON DAVID F KOCH RUSSELL W						
474129	14NO1988	5114512	19MY1992	HOLR	PTR	DAT
HOLROYD ERIC WRIGHT ANTHONY R						
682036	08AP1991	5120206	09JF1992	RES	PTR	EHR
GREENSTREET ARTHUR W NORKA JOSEPH C						
558061	24JUL1990	5128084	07JUL1992	RES	PTR	EHR
TOMPKINS DALE A SICKA RICHARD W						
640777	14JUL1991	5131971	21JUL1992	JOLI	PTR	EHR
ELIA GERARDO P ARBOUR GAETAN PODOENIK IVAN Z						
633737	24DE1990	5141588	25AUG1992	ENGR	PTR	EHR
VANBUSKIRK WILLIAM J						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
624429	07DE1990	5141590	25AU1992	FIDC	PTR	EHR
SIEGENTHALER KARL J						
GIORGETTI CARLO						
APPARATUS FOR MANUFACTURING						
AND FEEDING TIRE BEADS ON TO						
AN AUTOMOTIVE TIRE BUILDING						
DRUM						
586058	21SE1990	5147951	15SE1992	RES	PTR	DNE
KANG JUNG W						
SEAYER CARY B						
HASHIMOTO TAKATSUGU						
ULTRA HIGH MOLECULAR WEIGHT						
COPOLYMERS OF CONJUGATED						
DIENES AND AROMATIC VINYL						
COMPOUNDS						
506305	09AP1990	5153159	06OC1992	RES	PTR	DNE
ANTKOWIAK THOMAS A						
LAWSON DAVID F						
KOECH RUSSELL W						
STAYER MARK L						
ELASTOMERS AND PRODUCTS HAVING						
REDUCED HYSTERESIS						
794082	18NO1991	5153271	06OC1992	RES	BPS	FJT
LAWSON DAVID F						
STAYER MARK L JR.						
ANTKOWIAK THOMAS A						
DIENE POLYMERS AND COPOLYMERS						
TERMINATED BY REACTION WITH						
AROMATIC NITRILES						
725712	03JL1991	5186950	16FE1993	FIDC	PTR	EHR
MAURO ROBERTO						
SIEGENTHALER KARL J						
CURING DEVICE						
725868	03JL1991	5186951	16FE1993	FIDC	PTR	EHR
SIEGENTHALER KARL J						
CURING DEVICE FOR TIRES						
832112	06FE1992	5188846	23FE1993	FIDC	PTR	EHR
SIEGENTHALER KARL J						
TIRE INNERSTITCHING MOLD						
762810	20SE1991	5190605	02MR1993	HOLR	PTR	DAT
HOLROYD ERIC						
WRIGHT ANTHONY R						
APPARATUS AND METHOD FOR						
MANUFACTURING PNEUMATIC TIRES						
771883	07OC1991	5192390	09MR1993	HOLR	BPS	DAT
PERKINS DAVID J						
MANDREL MEANS						

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
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737581	25JL1991	5201975	13AP1993	HOLR	PTR	DAT
HOLROYD COLIN GOODFELLOW ANTHONY G			TIRE MANUFACTURE			
701427	15MY1991	5209793	11MY1993	DEV	PTR	EHR
CUSIMANO II FRED J			LOW NOISE PNEUMATIC TIRE TREAD WITH VOIDS BALANCED OVER EACH HALF TREAD REGION			
812258	20DE1991	5210145	11MY1993	RES	BPS	PJT
LAWSON DAVID P STAYER MARK L ANTKOWIAK THOMAS A			DIENE POLYMERS AND COPOLYMERS TERMINATED BY REACTION WITH FUSED-RING POLYNUCLEAR AROMATIC COMPOUNDS			
707492	30MY1991	5211787	18MY1993	NASH	BPS	PJT
MAKINO YOSHIHIRO ELKINS LARRY B			METHOD FOR IMPROVING THE AGING RESISTANCE OF THE SIDEWALLS OF RETREADED TIRES			
680714	04AP1991	5217549	08JE1993	DEV	PTR	EHR
JOHNSON DAVID A			PNEUMATIC SAFETY TIRE			
823934	22JA1992	5219589	15JE1993	ENGR	BPS	EHR
ELIA GERRY P ARBOUR GAETAN HOLM LEONARD R PODOBNIK JOHN			VENTED KNEADING PIN FOR EXTRUDER			
823178	21JA1992	5221510	22JE1993	RUSS	BPS	EHR
KASSAW JR CALVIN M KLIMEK JOLANTA K			METHOD FOR FORMING CURING ENVELOPE			
757742	11SE1991	5221541	22JE1993	ENGR	BPS	EHR
ARBOUR GAETON ELIA GERARDO P ELIA MARGARET N HOLM LEONARD R LAVALLEE GILLES			EXTRUDER HEAD FOR ELASTOMERIC MATERIAL			

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APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ACTY
684106	12AP1991	5227431	13JL1993	RES	BFS	PJT
LAWSON DAVID F			DIENE POLYMERS AND COPOLYMERS			
STAYER MARK L			JUMPED BY PARTIAL CROSSLINKING			
ANTKOWIAK THOMAS A			AND TERMINATED WITH A			
SCHREFFLER JOHN			SUBSTITUTED IMINE			
708547	31MY1991	5228941	20JL1993	FIDC	BFS	EHR
PANICALI MARCELLO			DEVICE FOR SPLICING SELF-			
			ADHESIVE CRUDE RUBBER SHEET			
			MATERIAL			
754493	03SE1991	5241008	31AU1993	RES	BFS	PJT
HALL JAMES E			PROCESS FOR PRODUCING			
			CONTINUOUSLY TAPERED POLYMERS			
			AND COPOLYMERS AND PRODUCTS			
			PRODUCED THEREBY			
905611	29JE1992	5244717	14SE1993	CAST	BFS	DNH
CLOER CARROLL M			TIRE FABRIC WITH POLYESTER/			
			HIGH WET MODULUS RAYON			
			FILLING			
774752	09OC1991	5256350	26OC1993	FIDC	FTR	EHR
FRANZINI MARCO			METHOD AND DEVICE FOR			
GIOVANNUCCI FABRIZIO			MANUFACTURING TURN-UP BLADDERS			
POMENTI ATTILIO						
TOMLINSON GORDON M.						
832134	06PE1992	5259746	09NO1993	FIDC	FTR	EHR
MINAUDO DIEGO			EXTRUSION HEAD DIE CORD			
			GUIDE ASSEMBLY			
022429	16PE1993	5261994	16NO1993	HOLR	BFS	DAT
GOODFELLOW ANTHONY G			IMPROVEMENTS IN AND RELATING			
			TO HANDLING MEANS			
811163	19DE1991	5262115	16NO1993	FIDC	BFS	EHR
TOMLINSON GORDON M			METHOD AND DEVICE FOR			
			HOLDING BEAD FILLERS			

PATENT MASTER REPORTER

MASTER FILE REPORT

(CTY.CD = " USA") AND (STATUS = "G") AND
 (CUR.OW.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
 ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
791910	13NO1991	5268413	07DE1993	RES	BFS	DNH
ANTKOWIAK THOMAS A						
LAWSON DAVID F						
KOCH RUSSELL W						
STAYER MARK L						
636961	02JA1991	5268439	07DE1993	RES	BFS	DNH
HERGENROTHER WILLIAM L						
BETHEA TRISTRAM W						
DOSEAK JOHN M						
772991	08OC1991	5271284	21DE1993	ENCR	BFS	RBB
MATHIS JAMES E						
STILL DONALD O						
SZABO LOUIS F						
586065	21SE1990	5272203	21DE1993	DEPR	PTR	DNH
JOYNER DWAYNE A						
KANG JUNG W						
HASHIMOTO TAKATSUGU						
YUTO KAZUAKI						
STUCK BONNIE L						
982353	27NO1992	5294973	15MR1994	ENCR	BFS	EHR
BYRNE FRANCIS J						
075194	10JE1993	5300180	05AP1994	DEV	BFS	SAN
GRIEBLING STEPHEN T						
106739	16AU1993	5310798	10MY1994	RES	BFS	FJT
LAWSON DAVID F						
STAYER MARK L						
ANTKOWIAK THOMAS A						

PATENT MASTER REPORTER

MASTER FILE REPORT

(CTY.CD = " USA") AND (STATUS = "G") AND
(CUR.OH.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
058340	06MY1993	5334665	02AU1994	RES	BFS	FUT
LAWSON DAVID F						
STAYR MARK L						
ANTKOWIAK THOMAS A						
045028	09AP1993	5346378	13SE1994	RUSS	BFS	EHR
KASSAW JR CALVIN M						
KLINEX JOLANTA K						
145128	03NO1993	5346962	13SE1994	RES	BFS	DNH
HERGENROTHER WILLIAM L						
MORROW MARTIN E						
145113	03NO1993	5349024	20SE1994	RES	BFS	DNH
HERGENROTHER WILLIAM L						
MORROW MARTIN E						
941558	08SE1992	5354822	11OC1994	RES	BFS	DNH
ANTKOWIAK THOMAS A						
LAWSON DAVID F						
KOCH RUSSELL W						
STAYR MARK L						
096846	26JL1993	5367014	22NO1994	DEV	BFS	DNH
MOREHART CHRISTINE L						

PATENT MASTER REPORTER

MASTER FILE REPORT

(CTY.CD = "USA") AND (STATUS = "C") AND
 (CUR.OW.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
 ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
172342	23DE1993	5372164	13DE1994	CLST	BFS	DNH
CLOER CARROLL M						
991844	16DE1992	5383992	24JUL1995	FIDC	BFS	EHR
SIEGENTHALER KARL J						
215841	22MR1994	5405484	11AP1995	ENCR	BFS	EHR
WOLLBRINCK JAMES H						
OGAWA YUICHIRO						
088018	07JUL1993	5417900	23MY1995	LVRG	BFS	EHR
MARTIN RODNEY A						
207523	07MR1994	5439041	08AUG1995	FIDC	BFS	EHR
SIEGENTHALER K J						
255293	07JUL1994	5443667	22AUG1995	ENCR	PTR	EHR
WOOD IRA L						
WURZBACHER WAYNE A						
206991	07MR1994	5448910	12SE1995	ATT	BFS	SAN
YURJEVICH MARTIN A						
JOHNSON DAVID A						
SIEGFRIED JAMES F						
ANDREWS DONALD E						
STANFIELD WILLIAM P.						
469705	24JUL1990	5474645	12DE1995	RES	PTR	DNH
BOHM GEORG C A						
OBERSTER ARTHUR E						

PATENT MASTER REPORTER

MASTER FILE REPORT

(CTY.CD = " USA") AND (STATUS = "Q") AND
(CUR.OW.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
-----	-----	-----	-----	---	----	----
419684	10AP1995	5479974	02JA1996	DEV	BFS	CSM
NOGGLE GARY C ANDREWS DONALD E NOISE-REDUCTION SYSTEM FOR VEHICLE TIRES						
174819	29DE1993	5486319	23JA1996	DEV	BFS	DNH
STONE W ROSS PALMER ROBERT L MOCHER VIRGIL D KARPINSKI ROBERT P TIRE CURE CONTROL SYSTEM AND METHOD						
253885	03JE1994	5500065	19MR1996	LVRG	BFS	CSM
KOCH RUSSELL W TAKAGAWA HIROYOSHI OKAMOTO KEIZO TURNER JOHN WALENGA GUY J METHOD OF EMBEDDING A MONITORING DEVICE WITHIN A TIRE DURING MANUFACTURE						
388070	14PE1995	5524804	11JE1996	WILS	BFS	CSM
CONNOR THOMAS M LOCK-OUT DEVICE FOR STRIP GUIDE APPARATUS						
382225	31JA1995	5527499	18JE1996	ENGR	PTR	EHR
MILEY GARY D ELIA GERARDO P REID ROBIN PRESSURE EQUILIZATION PROCESS						
278531	20JL1994	5535961	16JL1996	CAST	BFS	DNH
DUCENWORTH MARTY J PARKS RONNIE L BAKER ROGER L FIRESTONE CASTONIA SUPER SHELL						
339996	15NO1994	5536464	16JL1996	DESM	BFS	CSM
MURAKATSU TATEO APPARATUS AND METHOD FOR CURING ENDLESS RUBBER TRACK						
388705	14PE1995	5551619	03SE1996	WILS	BFS	CSM
NARRON JESSIE R TREAD STRIP CENTERING GUIDE FOR TIRE BUILDING MACHINES						

MASTER FILE REPORT		PATENT MASTER REPORTER					
CTY.CD = "USA"	AND (STATUS = "G") AND (CUR.OW.CD = "BFS" OR "PTR") AND (DIV.CD NOT = "INDI" AND "NOBL")	ALL ACTIVE BFS AND PTR OWNED PATENTS EXCLUDING INDI & NOBL	APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	ATTY
402247	10MR1995	5561244	010C1996	DEV	BFS	CSM	
OLESKY STANLEY J WILSON PAUL B							
454476	30MY1995	5562787	080C1996	LVRG	BFS	CSM	
KOCH RUSSELL W TAKAGAWA HIROYOSHI OKAMOTO KEIZO TURNER JOHN WALENGA GUY J							
453414	30MY1995	5573610	12NO1996	LVRG	BFS	CSM	
KOCH RUSSELL W TAKAGAWA HIROYOSHI OKAMOTO KEIZO TURNER JOHN WALENGA GUY J							
453416	30MY1995	5573611	12NO1996	LVRG	BFS	CSM	
KOCH RUSSELL W TAKAGAWA HIROYOSHI OKAMOTO KEIZO TURNER JOHN WALENGA GUY J							
502439	14JUL1995	5599409	04FE1997	NASH	BFS	CSM	
BENCHEA TRAIAN RADIAL TIRE/WHEEL ASSEMBLY FOR HIGH BRAKE HEATE GENERATED SERVICE							

App No

PCMASTER REPORTER
(CUR.OW.CD = "BFS" OR "FTR") AND (DIV.CD NOT = "INDI" AND "NOBL")

ACTIVE BFS APPLICATIONS EXCLUDING BLDG PRODS & IND. PRODS

App No	App Date	Div.	Owner	Attorney
004371	08JA1998	DEV	BFS	CSM
ZAKELJ PAUL			PITCH SEQUENCE CIRCUMFERENTIAL HARMONIC DISTRIBUTION ANALYSIS	
012251	23JA1998	WILS	BFS	CSM
CONNOR THOMAS M			BLADDERLESS FORMER SLEEVE	
021518	10FE1998	BFR	BFS	CSM
KOCH RUSSELL W RENSEL JOHN D WILSON PAUL B			METHODS FOR INSERTING AN ELECTRONIC TAG ASSEMBLY INTO A COMPARTMENT	
060483	30SE1997	DESM	BFS	CSM
BEATTY MATTHEW J OLSON DENNIS J AKIYAMA HITOSHI			INNER TRANSVERSE PLY FOR ENDLESS RUBBER TRACK	
067062	27AP1998	ATT	BFS	DNH
SPRAGG CHARLES D KIRBY JAMES M MARKOW EDWARD G			IMPROVED PROCESS FOR BUILDING BANDED TIRES	
078266	22OC1997	TIRD	BFS	CSM
BLANKENSHIP LEONARD F			TIRE TREAD P1492 TRIUMPH RADIAL 2000	
078267	22OC1997	TIRD	BFS	CSM
BLANKENSHIP LEONARD F REGALLIS JOHN J			TIRE TREAD "P1500" TRADE LINE (MIRAGE)	
079913	19NO1997	TIRD	BFS	CSM
GUSPODIN JAMES G JOHNSON DAVID A			TIRE TREAD P1506 PASSENGER O.E. FOR FORD	
080897	17DE1997	TIRD	BFS	CSM
HIMURO YASUO REGALLIS JOHN J REEP DAVID M COPELAND SHAWN L			TIRE TREAD (P1388AK) BRIDGESTONE BT70S	
080984	22DE1997	TIRD	BFS	CSM
BLANKENSHIP LEONARD F REGALLIS JOHN J REEP DAVID M			TIRE TREAD (P1514) GILLETTE CONCEPT S/R (DISCONTINUOUS SHOULDER)	
081050	12DE1997	TIRD	BFS	CSM
GUSPODIN JAMES G JOHNSON DAVID A			TIRE TREAD (P1465 FORD OE)	
967406	11NO1997	TIRD	BFS	CSM
HIMURA YASUO WALLET BILL J REEP DAVID M COPELAND SHAWN L			TIRE HAVING IMPROVED WET STOPPING CAPABILITY	

PATENT

REEL: 9719 FRAME: 0474

MASTER FILE REPORT
(CUR.OW.CD = "BFS" OR "FTR") AND (DIV.CD NOT = "INDI" AND "NOBL")
ACTIVE BFS APPLICATIONS EXCLUDING BLDG PRODS & IND. PRODS
App No App Date Div. Owner Attorney

996420 HAMAYA HIROMI 22DE1997 ATT BFS CSM
TIRE-TAG AND WHEEL TRANSPONDER IMPROVEMENT

PATENT MASTER REPORTER

MASTER FILE REPORT

APPLN-DT 3910506
APPLICATION-NUMBER

(CTY.CD = " USA") AND (STATUS = "F") AND
(CUR.OW.CD = "BFS" OR "FTR") AND (DIV.CD NOT = "INDI" AND "NOEL")
ALL ACTIVE BFS OWNED APPLICATIONS EXCLUDING BLDG PRODS & IND. PRODS

APPLICATION-NUMBER	APPLN-DT	PATENT-NUMBER	GRANT-DT	DIV	C-OW	ATTY
696371	06MY1991			RES	BFS	FJT
HALL JAMES E						
136393	130C1993			RES	BFS	DNH
HERGENROTHER WILLIAM L						
BETHEA TRISTRAM W						
DOSEAK JOHN M						
297478	29AU1994			BFR	FTR	DNH
GRAVES DANIEL F						
KANG JUNG W						
BANTA GEORGE D						
038748	11MY1995			DEV	BFS	CSM
GUSPODIN JAMES G						
MARBLE ROGER W						
USHIKUBO HISAO						
682451	14JL1995			NASH	BFS	CSM
BENCHEA TRAIAN						
521626	31AU1995			DESM	BFS	CSM
MURAMATSU TATEO						

PROCESS AND CATALYST SYSTEM
FOR PREPARING DIENE OLIGOMERS
AND COPOLYMERIC OLIGOMERS

TIN CONTAINING ELASTOMERS AND
PRODUCTS HAVING REDUCED
HYSTERESIS PROPERTIES

PNEUMATIC TRACTOR TIRE

"TIRE TREAD"
R0224 & R0225
INDY RAIN TIRE
(REFERENCE D-9408036)

RADIAL TIRE/WHEEL ASSEMBLY
FOR HIGH BRAKE HEATE GENERATED
SERVICE

UP RATIO FOR POSITIVE
DRIVE RUBBER TRACK

046818 30OC1995 HANLON WILLIAM C LASSAN TIMOTHY J	TIRE TREAD P1359 ROAD KING HR	DEV	BFS	CSM
562001 22NO1995 WEIHE DON L	DRUM DRIED NATURAL RUBBER	LIBE	BFS	FJT
047651 08DE1995 GUSPODIN JAMES G WALLET BILL J	TIRE TREAD P1392 FIRESTONE MASS MARKET	DEV	BFS	CSM
576605 21DE1995 BOHM GEORG G YANG JAMES H	METHOD FOR FORMING CORD-REINFORCED ELASTOMERIC STRIPE (AS AMENDED)	BFR	BFS	CSM
049873 02FE1996 GUSPODIN JAMES G	"TIRE TREAD" P1394 DAYTON 30K COMMON	DEV	BFS	CSM
049901 02FE1996 HANLON WILLIAM C LASSAN TIMOTHY	"TIRE TREAD" P1366 DAYTON WIDETRACK HR	TIRD	BFS	CSM
049902 02FE1996 GUSPODIN JAMES G	"TIRE TREAD" P1389 DAYTON 30K COMMON	TIRD	BFS	CSM
606982 26FE1996 ZAKELJ PAUL TURNER JOHN L	TIRE NOISE TREATMENT	ATT	BFS	CSM
053034 17AP1996 GUSPODIN JAMES G HANLON WILLIAM C	"TIRE TREAD" P1350 DAYTON WIDETRACK RADIAL SR	TIRD	BFS	CSM
053597 22AP1996 REGALLIS JOHN J HANLON WILLIAM C BLANKENSHIP LEONARD F	P1395 (DAYTON TRADE)	TIRD	BFS	CSM
053692 24AP1996 LASSAN TIMOTHY J WALLET BILL J MOLNAR JOSEPH F	TIRE TREAD GMT425	TIRD	BFS	CSM
054181 08MY1996 GUSPODIN JAMES G WALLET BILL J	TIRE TREAD (30K COMMON FOR DAYTON P.B.)	TIRD	BFS	CSM

754876	22NO1996		ENGR	BFS	CSM
KLINE BARRY L		APPARATUS AND METHOD FOR IMPROVING UNIFORMITY OF A TIRE USING THREE STONE GRINDING			
064301	27DE1996		TIRD	BFS	CSM
BLANKENSHIP LEONARD F		TIRE TREAD			
MURST BRADLEY J		P1441 FIRESTONE SNOW TIRE			
778924	03JA1997		SYN	BFS	DNH
ANTKOWIAK THOMAS A		METHOD FOR PREPARING POLYMETALLATED COMPOSITIONS			
064571	06JA1997		TIRD	BFS	CSM
BLANKENSHIP LEONARD F		TIRE TREAD			
BEUTLER ELIZABETH M		(P1419 - DAYTON SNOW TIRE)			
HIMURO YASUO					
782364	13JA1997		ATT	BFS	DNH
SPRAGG CHARLES D		RUN FLAT BANDED PNEUMATIC TIRE			
BELL TOM W					
MARKOW EDWARD G					
066197	07FE1997		TIRD	BFS	CSM
GUSPODIN JAMES G		TIRE TREAD P1432			
ROBINSON TIMOTHY		FORD O.E. LINCOLN T.C.			
797096	07FE1997		WILS	BFS	CSM
WOOD MICHAEL L		PREASSEMBLY CUTTER CLAMP FOR USE DURING TIRE PRODUCTION			
SYKES RICHARD R					
068073	28FE1997		TIRD	BFS	CSM
GUSPODIN JAMES G		TIRE TREAD (P1433			
MOLNAR JOSEPH F		G.M. OE)			
067349	04MR1997		TIRD	BFS	CSM
GUSPODIN JAMES G		TIRE TREAD			
WALLET BILL J		P1470 NEW PATROL TIRE			
LASSAN TIMOTHY J					
067530	06MR1997		TIRD	BFS	CSM
GUSPODIN JAMES G		TIRE TREAD (P1457			
JOHNSON DAVID A		FORD OE)			
067430	07MR1997		TIRD	BFS	CSM
GUSPODIN JAMES G		TIRE TREAD			
REGALLIS JOHN J		(P1445 - POLARIS R4000)			
BLANKENSHIP LEONARD F					

067431 07MR1997
LASSAN TIMOTHY J
BLANKENSHIP LEONARD F
REGALLIS JOHN J

813921 07MR1997
SIEGFRIED JAMES F
ANDREWS DONALD E
STANFIELD WILLIAM P

835340 07AP1997
MANI NEEL K
OLESKY STANLEY J
CHRISTY DAVID C

826855 10AP1997
DETRANO MARIO N

847449 24AP1997
LIGHTNER JOHN G
SCHLABAGH LARRY L
CHRISTY DAVID C
NEIMES KARL J
YURJEVICH MARTIN A

072612 20JUL1997
BLANKENSHIP LEONARD F
GUSPODIN JAMES G
WURST BRADLEY J

072613 20JUL1997
GUSPODIN JAMES G
ROBINSON TIMOTHY J

073235 10JUL1997
BLANKENSHIP LEONARD F
GUSPODIN JAMES G
NEFF JOSEPH N

074609 05AUG1997
BLANKENSHIP LEONARD F
GUSPODIN JAMES G
NEFF JOSEPH N

TIRE TREAD
TO708

TIRD

CSM

BFS

PORTABLE RUNOUT
MEASUREMENT SYSTEM
AND METHOD

ATT

BFS

CSM

PORTABLE UNIVERSAL FRICTION
TESTING MACHINE AND METHOD

ATT

BFS

CSM

SILICA CONTAINING TIRE
COMPOSITION FOR SUPPRESSION
OF STATIC CHARGE ACCUMULATION

MATL

BFS

FJT

A METHOD OF PREDICTING TIRE
PERFORMANCE ON RAIN GROOVE
ROADWAYS

ATT

BFS

CSM

TIRE TREAD (P1483)
POLARIS PRECISION TOURING

TIRD

BFS

CSM

TIRE TREAD P1490
O.E. FOR JAGUAR

TIRD

BFS

CSM

TIRE TREAD (TO718)
DAYTON TOURING L/T

TIRD

BFS

CSM

TIRE TREAD (TO719)
DAYTON WIDETRACK TOURING L/T

TIRD

BFS

CSM

EM087878908US

Assignment of United States Patents and Patent Applications
and Tire Related Confidential Know-how and Technology

WHEREAS, Bridgestone/Firestone, Inc., an Ohio corporation (hereinafter "Assignor"), having a principal place of business at 50 Century Blvd., Nashville, Tennessee 37214, is the sole owner of the entire right, title, and interest in and to the United States Letters Patents and applications for Letters Patent described in Exhibit A attached hereto and made a part hereof (hereinafter "Patents"), and is the sole owner of the entire right, title and interest in certain confidential know-how and technology relating to tires, tubes and related products as further described in Exhibit B (hereinafter "Technology"); and

WHEREAS, Bridgestone/Firestone Research, Inc., a Delaware corporation (hereinafter "Assignee"), having a principal place of business at 1659 South Main Street, Akron, Ohio 44301, has been established by the Assignor as a wholly owned subsidiary of Assignor for the purposes of carrying out research and for other purposes such as acquiring and administering the entire right, title and interest in and to the Patents and Technology;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign, and transfer, Assignor's entire right, title and interest in and to the Patents and Technology, the inventions disclosed therein and all reissues, reexaminations, and extensions thereof, all said rights to be held and enjoyed by the Assignee for its own use and for the use of its successors, assigns, or other legal representatives, to the full end of the term for which the Patents have been or will be granted, reexamined, extended or reissued, as fully and entirely as the same would have been held and enjoyed by the Assignor if this assignment and transfer had not been made, and Assignor hereby assigns any and all claims and causes of action for infringement of such Patents and misappropriation of such Technology which have accrued up to and including the date of this Assignment, including all rights to recover damages and injunctive relief in respect to such infringement.

Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, reexamining or reissuing the Patents and for maintaining and perfecting Assignee's right to the Patents and Technology.

IN WITNESS WHEREOF, Bridgestone/Firestone, Inc. has caused these presents to be signed by its duly authorized officer below named.

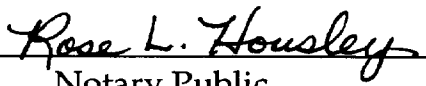
Bridgestone/Firestone, Inc.

By: 
D. A. Thomas
Title: Assistant Secretary

Date: June 1, 1998

State of Ohio)
) ss.:
County of Summit)

On this 1st day of June, before me, a Notary Public, personally appeared D. A. Thomas to me known to be the Assistant Secretary of Bridgestone/Firestone, Inc. and also known to me to be the person who executed the foregoing assignment on behalf of Bridgestone/Firestone, Inc. and acknowledged to me that such corporation executed the same.


Notary Public

ROSE L. HOUSLEY
Notary Public
Residence-Summit County
State Wide Jurisdiction, Ohio
My Commission Expires May 12, 2002