cover sheet, attachments and document (do not file dup. Cover sheet)

Christine S. Ring Attorney: 42,106 June 3, 1999 Reg. No. Date: TEL: (415) 983-1867

FILE WITH PTO RETURN RECEIPT (PAT-103A)

FAX: (202) 822-0944

PATENT

REEL: 010009 FRAME: 0551

PAT 14X 3/98

Atty/Sec: CSR/jw

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP Intellectual Property Group Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application

Atty. Dkt. PMS 257393 | CIT-2:

M#

CIT-2781 Client Ref.

NONPROVISIONAL ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In the undersigned, to	consideration of the sum of Ten Dollars (\$10.00 wit:)) and other good and v	aluable consideration paid to each of			
INSERT	(1) Bob R. Maughon	(2) Takeharu Morita			
NAME(S) OF	(3) Robert H. Grubbs	(4	* · · · · · · · · · · · · · · · · · · ·			
INVENTOR(S)	(5)		x box if continued on page 2			
the receipt and suffi and transfer(s) unto	ciency of which are hereby acknowledged by the	e undersigned who at th	e request of, hereby sell(s), assign(s)			
INSERT	California Institute of Technology					
NAME(S) OF	1200 East California Boulevard					
ASSIGNEE(S)	Pasadena, California 91125					
& ADDRESS(ES)						
any and all divisions, contin	SSIGNEE") the entire right, title and interest for the United States of the States of the States, and reissues thereof; and all resulting patents		C. 100, in the invention and all applications including			
TITLE OF INVENTION	TELECHELIC ALKADIENE POLYMERS WITH CROSSLINKABLE END GROUPS AND METHODS FOR MAKING THE SAME					
NOTE → → (Complete	for which the undersigned executed an application (A) even date herewith (B) on					
line A, B and/or C)	(C) M in U.S. Appln. No. 09/271,348	filed	March 17, 1999			
said ASSIGNEE, for its inte hereinafter act on behalf of AN essential by ASSIGNEE to	ID the undersigned hereby agree(s) to testify and execute any par ASSIGNEE'S full protection and title in and to the invention hereby e undersigned hereby authorize(s) Pillsbury Madison & Sutro LLP	tives; the undersigned agree(s) t ers for ASSIGNEE, its successo transferred.	that the attorney of record in said application shall ors, assigns and legal representatives, deemed			
INVEN	TORS /	DATE SIGNED	WITNESSES			
N	advi.	116.60	·			
1):	y In	4/2/19				
Name: Bob R.	Maughon					
0)						
2)						
Name: Takeha	ru Morita					
3) Robert	H. Grubbs					

PAT-114 11/97

PATENT * REEL: 010009 FRAME: 0552

PILLSBURY ET AL

415 477 4893

P.03/03

Please return signed/recorded to:

Pillsbury Medison & Sutro LLP Intellectual Property Group Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

USA Patent Appln. Sale or Joint

Atty. Dkt. PMS 257393	CIT-2781
M#	Client Ref.

NONPROVISIONAL

ASSIGNMENT

NONPROVISIONAL

	In consideration of the sum of T	an Dollars (\$10 M)) and other good at	nd valua	able consid	eration paid to eac	ch of
e undersigned,		CII PONTILI (À 14.00	A Wild office Bood of			, , , , , , , , , , , , , , , , , , ,	•
ISERT	(1) Bob R. Maughon			(2) T	akeharu M	lorita	
AME(S) OF	(3) Robert H. Grubbs			(4)			
VENTOR(8)	(5)				box if con	tinued on page 2	2
e receipt and so nd transfer(s) ur	ufficiency of which are hereby action:	knowledged by th	e undersigned who a	at the n	equest of, h	nereby seli(s), assi	ign(s)
ISERT	California Institute of Techno	ology					
AME(S) OF	1200 East California Boulev						
SSIGNEE(S)	Pasadena, California 9112	5					
ADDRESS(ES)							
y and all divisions, co	ntinuations, substitutes, and releases thereo		s, knomi as	END :	CBOURS 4	NO METUODO S	
y and all divisions, ∞ TLE OF VENTION OTE → →	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even data herawith	POLYMERS WITH	H CROSSLINKABLE		,		OR
ny and all divisions, co ITLE OF IVENTION OTE -> -> Complete the A, B and/or C	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even data herawith (B) on	POLYMERS WITH	H CROSSLINKABLE	ents of	,	States of America	OR
y and all divisions, co TLE OF VENTION OTE -> -> complete lie A, B and/or C, lid Assignee, for its reinnifer act on beha	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even date herewith (B) on (C) in U.S. Appin. No. AND the undersigned hereby authorize(s) in breat as ASSIGNEE; he authorize(s) to tendersigned hereby agree(s) Pilish	POLYMERS WITH Executed an application of the country of the United and requesting the United and requesting the United and requesting the United and regard representation that the invention hereby	A Known as I CROSSLINKABLE Stion for Letters Pate file States Commissioner of Pityes; the undersigned agree pers for ASSIGNEE, its succept transferred.	ed M atomic and a(a) that (tine United arch 17, 15 d Trademarks a the attorney of a	States of America. 199 Dissue said Letters Pata record in said application	OR
y and all divisions, co TLE OF VENTION OTE -> -> Omplete is A, B and/or C, d Assignee, for its vinefler act on beha vential by Assignee TECOrdadon of this di	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even date herewith (B) on (C) in U.S. Appin. No. AND the undersigned hereby authorize(s) in breat as ASSIGNEE; he authorize(s) to tendersigned hereby agree(s) Pilish	POLYMERS WITH Executed an application of the country of the United and requesting the United and requesting the United and requesting the United and regard representation that the invention hereby	A Known as I CROSSLINKABLE Stion for Letters Pate file States Commissioner of Pityes; the undersigned agree pers for ASSIGNEE, its succept transferred.	ed M atomic and a(a) that (tine United arch 17, 15 d Trademarks a the attorney of a	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR
y and all divisions, co TLE OF VENTION OTE	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even data herawith (B) on (C) \overline{\text{M}} in U.S. Appin. No. AND the undersigned hereby authorize(s) in the undersigned hereby agree(s) to the to ASSIGNEE; full protection and title in at The undersigned hereby authorize(s) Pilish pocument.	POLYMERS WITH Executed an application of the country of the United and requesting the United and requesting the United and requesting the United and regard representation that the invention hereby	A Known as I CROSSLINKABLE Ation for Letters Pate file I States Commissioner or Pate tives; the undersigned agre- pers for ASSIGNEE, its success to insert of the above address to insert of the state of the st	ed M atomic and a(a) that (the United and 17, 15 d Trademarks to the attorney of antiques and legan any further identity to the any further i	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR
And all divisions, co TLE OF VENTION OTE > > > Omplete de Assigner, for its linefler act on beha lential by Assigner recordation of this division	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even data herawith (B) on (C) in U.S. Appin. No. AND the undersigned hereby authorize(s) in the said ASSIGNEE; its successors, sasigned and said ASSIGNEE; AND the undersigned hereby agree(s) to teat the ASSIGNEE's full protection and title in an The undersigned hereby authorize(s) Pilish occurrent. INTORS R. Maughon	POLYMERS WITH Executed an application of the country of the United and Industrial Polymers and Industr	A Known as I CROSSLINKABLE Ation for Letters Pate file I States Commissioner or Pate tives; the undersigned agre- pers for ASSIGNEE, its success to insert of the above address to insert of the state of the st	ed M atomic and a(a) that (the United and 17, 15 d Trademarks to the attorney of antiques and legan any further identity to the any further i	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR
y and all divisions, co TLE OF VENTION OTE -> -> Omplete is A, B and/or C of Assignee, for its binnifer act on beha benital by Assignee TE -> -> Tecordation of this d	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even data herawith (B) on (C) in U.S. Appin. No. AND the undersigned hereby authorize(s) in the said ASSIGNEE; its successors, sasigned and said ASSIGNEE; AND the undersigned hereby agree(s) to teat the ASSIGNEE's full protection and title in an The undersigned hereby authorize(s) Pilish occurrent. INTORS R. Maughon	POLYMERS WITH Executed an application of the country of the United and Industrial Polymers and Industr	A Known as I CROSSLINKABLE Ation for Letters Pate file States Commissioner of Pityes; the undersigned agree transferred, of the above address to ins	ed M atomic and a(a) that (the United and 17, 15 d Trademarks to the attorney of antiques and legan any further identity to the any further i	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR
y and all divisions, co TLE OF VENTION OTE	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even date herawith (B) on (C) \omega_ in U.S. Appin. No. AND the undersigned hereby authorize(s) in the said ASSIGNEE; its successors, sasigned as a ASSIGNEE; and the undersigned hereby agree(s) to the construction and title in an The undersigned hereby authorize(s) Pilish occurrent. INTORS	POLYMERS WITH Executed an application of the country of the United and Industrial Polymers and Industr	A Known as I CROSSLINKABLE Ation for Letters Pate file I States Commissioner or Pate tives; the undersigned agre- pers for ASSIGNEE, its success to insert of the above address to insert of the state of the st	ed M atomic and a(a) that (the United and 17, 15 d Trademarks to the attorney of antiques and legan any further identity to the any further i	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR
y and all divisions, co TLE OF VENTION OTE > > Complete Lis A, B and/or C, Id ASSIGNEE, for its reinaliter act on beha recordadon of this d INVE	TELECHELIC ALKADIENE MAKING THE SAME for which the undersigned e (A) even date herewith (B) on (C) in U.S. Appin. No. AND the undersigned hereby authorize(s) in breat as ASSIGNEE, its approaches, soaigle of seid ASSIGNEE; AND the undersigned hereby agree(s) to ten to ASSIGNEE; full protection and title in at The undersigned hereby authorize(s) Piliab pourment. ENTORS R. Maughon Reham Manuface	POLYMERS WITH Executed an application of the country of the United and Industrial Polymers and Industr	A Known as I CROSSLINKABLE Ation for Letters Pate file States Commissioner of Pityes; the undersigned agree transferred, of the above address to ins	ed M atomic and a(a) that (the United and 17, 15 d Trademarks to the attorney of antiques and legan any further identity to the any further i	States of America. 199 o issue said Letters Pate record in said application al representatives, deem	OR

PAT-114 11/07

TOTAL P.03

075 961 5353

PAGE.03

Please return signed/recorded to:

Pillsbury Madison & Sutro LLP Intellectual Property Group Ninth Floor, East Tower 1100 New York Avenue, N.W. Washington, D.C. 20005-3918

RECORDED: 06/04/1999

USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application

Atty. Dkt. PMS 257393 M# CIT-2781 Client Ref.

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of

NONPROVISIONAL

the undersigned, to	Wit.			
INSERT	(1) Bob R. Maughon		(2) Takeharu Morita	
NAME(S) OF	(3) Robert H. Grubbs		(<u>4</u>)	
INVENTOR(S)	(5)		x box if continued on page 2	
the receipt and suffi and transfer(s) unto	iciency of which are hereby acknowledged by tl	he undersigned who at t	the request of, hereby sell(s), assign(s)	
INSERT	California Institute of Technology			
NAME(S) OF	1200 East California Boulevard			
ASSIGNEE(S)	Pasadena, California 91125			
& ADDRESS(ES)				
(hereinafter designated "AS any and all divisions, contin	SSIGNEE") the entire right, title and interest for the United States nuations, substitutes, and reissues thereof; and all resulting pater	of America as defined in 35 U.S nts, known as	.C. 100, in the invention and all applications including	
TITLE OF INVENTION	T TELECHELIC ALKADIENE POLYMERS WITH CROSSLINKARLE END CROTIDS AND METU			
<u>NOTE</u> → → (Complete	for which the undersigned executed an applic (A) even date herewith (B) on	cation for Letters Patent	s of the United States of America:	
line A, B and/or C)	(C) in U.S. Appln. No. <u>09/271,348</u>	filed	March 17, 1999	
said ASSIGNEE, for its inte hereinafter act on behalf of AN essential by ASSIGNEE to.	ID the undersigned hereby agree(s) to testify and execute any particles and the invention herel ASSIGNEE'S full protection and title in and to the invention herel e undersigned hereby authorize(s) Pillsbury Madison & Sutro LL	tatives; the undersigned agree(s) apers for ASSIGNEE, its success by transferred.	that the attomey of record in said application shall sors, assigns and legal representatives, deemed	
<u>INVEN</u>	<u>rors</u>	DATE SIGNED	WITNESSES	
1):				
Name: Bob R.	Maughon			
2)	1			
Name: Takeha	ru Morita	<i>r</i> .		
3)	Millit KG	Par 1 22 1000	Frida Clark	
3) Name: Robert	H. Grubbs	17 c 2/1990	of officer wark	
. Tamo.	The Oldbook			

PAT-114 11/97

PATENT "REEL: 010009 FRAME: 0554