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Form PTO-1595	10-07-2003	U.S. DEPARTMENT OF COMMERC
1-31-92		Patent and Trademark Offi
To the Honorable Commissioner of Pate		ed original documents or copy thereof.
1. Name of conveying party(ies):	102569861	or receiving party(ies)?
M. CIOUROUE	<b>I</b>	ΓURE HORLOGERE SUISSE
Heinz KUCK 6 - 26 - 3	Schild-Rus-Strasse 17	
Rainer PLATZ	CH-2540 Grenchen	
	SWITZEDI AND	
Additional name(s) of conveying party(ies) attached	<i>'</i>	
☐ yes ☑ no		
3. Nature of Conveyance:		
X Assignment	Additional name(s) &	address(es) attached?
•		
☐ Security Agreement ☐ Change of Names	□ yes	☑ no
□ Other		
Execution Date: May 8, 2003		
4 Application number(s) or nates any number(s).		
4. Application number(s) or patent number(s):  If this document is being filed together with a new ap	10451071	<b>5</b>
If this document is being filed together with a new ap	oplication, the execution date of t	the application is: May 8, 2003
A. Patent Application No.(s)	1	
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. Additional numb	ers attached?	☑ No
5. Name and address of party to whom corresponder		plications and registration involved:
concerning document should be mailed:	or rotal number of up	one (1)
_	T. F. J. F. (OT CVT)	
John H. Mion, Esquire SUGHRUE MION, PLLC	7. Total Fee (37 CFR	· ·
2100 Pennsylvania Avenue, N.W.	☑ Enclosed.	Please charge any underpayment in
Suite 800		ssignment to Deposit Account No. 19-4880
Washington, D.C. 20037-3213	Li Authorize	d to be charged to Deposit Account
	8. Deposit Account No	0.
	1	19-4880
DO N	OT WRITE IN THIS SPACE	
9. Statement and Signature.	OI WHILE IN THIS STACE	
To the best of my knowledge and belief, the foregoin original document.	g information is true and correct	and any attached copy is a true copy of the
		Iuma 20, 2002
John H. Mion R	Reg. No. 18,879	June 20, 2003  Date
, ( )	10g. 110. 10,079	Date
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PATENT REEL: 014552 FRAME: 0498

For Non-U.S. Clients

Assignment
Whereas, I/We, Metin Giousouf, Heinz Kück and Rainer Platz of Germany Germany Switzerland
hereinafter called assignor(s), have invented certain improvements in TIME BASE COMPRISING AN INTEGRATED MICROMECHANICAL TUNING FORK RESONATOR
and executed an application for Letters Patent of the United States of America therefor on ; and
Whereas, ETA SA Manufacture Horlogère Suisse
Schild-Rust-Strasse 17
CH-2540 Grenchen
Switzerland
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.
I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number and Confirmation number
and application number of said application when known.
and application number of said application when known.
Date: 8 May, 2003 Metin frança
Metin Giousouf Date:
S/ Heinz Kück Date:
s/ Rainer Platz Date:
s/
(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

**REEL: 014552 FRAME: 0499** 

For Non-U.S. Clients

## Assignment

			100181111101				
	Whereas, I/We, _	Metin Giouso	ouf, Heinz Ki	ück and	Rainer Platz Switzerland	of	
		Germany	Germaný		Switzerland		
hereina TIME B	fter called assign ASE COMPRISING	or(s), have inven A AN INTEGRATE	nted certain imp ED_MICROMECH	provemer ANICAL	nts in TUNING FORK RE	ESONATOR	
	cuted an applicate 14.2003	tion for Letters P	Patent of the Ur	nited Stat	es of America th	erefor on	
Whereas,			ETA SA Manufacture Horlogère Suisse				
		Sch	Schild-Rust-Strasse 17				
		CH-	-2540 Grench	en			
		Sw <sup>-</sup>	itzerland				
	(assignee), desiro					lication and	
	Now therefore, f	or valuable cons	ideration, rece	ipt where	of is hereby ack	nowledged,	
under 3 any Ler success necessa do so b	on disclosed ther 35 U.S.C. §119, a tters Patent grant sors and assigns; ary by the assigned by the assigned.  I/We hereby autility and Avenue, it is a section number	nd I/we request to the inverse and I/we will extend the in connection the horize and requently, Washington	the Director — intion set forth ecute without f with the Unite est our attorney a, DC 20037-32	U.S. Pate in the ap further co d States a s SUGHI 213 to ins	ent and Tradema plication to the a onsideration all p application when RUE MION, PL	rk Office to issue assignee, its papers deemed a called upon to	
		, filed			)	the filing date	
and app	plication number	of said applicati	on when know	'n.			
Date:							
Date:	S.	Metin Gious	ouf				
Date:	8 May, 2003	Heinz Kück	Hein	2 R	il	·	
Date:	S	<sup>/</sup> Rainer Plat	z 0	7			
	S	I .	<del>, , , , , , , , , , , , , , , , , , , </del>				
(Legaliz	zation not required fo	or recording but is p	orima facie eviden	ice of exec	ution under 35 U.S.	C. §261)	

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PATENT

**REEL: 014552 FRAME: 0500** 

For Non-U.S. Clients

## Assignment

	Whereas, I/We, _	Metin Gio		Heinz Kücl Germany	k and f	Rainer Switzer	Platz land		_ of
herein TIME	after called assigno	or(s), have in	ented ce	rtain impro	vement	s in		NATOR	
	ecuted an applicate		s Patent	of the Unite	d States	s of Ame	rica there	for on	
	Whereas,		ETA SA Manufacture Horlogère Suisse						
,		:	Schild-Rust-Strasse 17						
		(	CH-2540 Grenchen						
		- (	witzer	land					
invent	(assignee), desire ion, and to any Un						ne applica	tion and	
	Now therefore, for	or valuable co	nsiderati	on, receipt	whereo	f is hereb	y acknow	vledged,	
under any Le succes necess do so l	ion disclosed there 35 U.S.C. §119, are tters Patent grante sors and assigns; a ary by the assignee by the assignee.  I/We hereby authylvania Avenue, N	nd I/we reque ed upon the in and I/we will e in connection orize and req	st the Dirvention sexecute we with the cust our set ou	ector – U.S set forth in the vithout furth ne United S attorneys S	S. Patent the apple her constants appleted the best for t	t and Tra lication to sideration plication UE MIO	ndemark Coothe assign all paper when cal	Office to it gnee, its rs deeme lled upon of 2100	issue ed
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and ap	plication number of	of said application	ation who	en known.					
Date:									
Date:	s/	Metin Giou	souf		- C				
Date:	s/ 8 May, 2003	Heinz Kück	Ray	Ser Ble	ef-			· · · · · · · · · · · · · · · · · · ·	
Date:	s/	Rainer Pla	tz						
	s/		<del></del>						
(Legaliz	zation not required for	recording but is	prima fac	ie evidence o	f executio	on under 3	5 U.S.C. §2	61)	

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**RECORDED: 06/20/2003** 

PATENT

REEL: 014552 FRAME: 0501