Form PTO-1595 (Rev. 03/01)	ET ET	U.S. DEPARTMENT OF COMMERCE
DMB No. 0651-0027 (exp. 5/31/2002) 1022070(**** ##1#/ #()({ U	U.S. Patent and Trademark Office
		<u> </u>
To the Honorable Commissioner of Patents and Trademarks	Please record the attached orig	ginal documents or copy thereof.
1. Name of conveying party(ies): Professor P. Gunter 11/01/1993 Professor J. Hullinger 11/12/1993 Dr. R. Gutmann 11/27/1993 AUG 2 6 21 AUG 2 7 7 AUG 2 6 21 AUG 2 7 7 AUG 2 6 21 AUG 2 7 7 AUG 2 6 21 AUG 2 7 7 AUG 2 7 AUG 2 7 7 AUG 2 7 7 AUG 2 7	Anternal Address:	
3. Nature of conveyance:		
Assignment Generation Security Agreement Change of Name		H 4002 Basle, Switzerland
OtherNovember 1, 1993; November	City:	State:Zip:
Execution Date: 12, 1993; November 27, 1993	Additional name(a) P add	ress(es) attached? 🖵 Yes 🛣 No
4. Application number(s) or patent number(s):		ress(es) allacheu?
	inction the evention date	af the explication is
If this document is being filed together with a new appl A. Patent Application No.(s)	B. Patent No.(s) 5,476,720	
Additional numbers at	tached? 🛄 Yes 🔣 No	
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applie	cations and patents involved:
Name: David E. Spaw	7. Total fee (37 CFR 3.4	40.00
Internal Address: Rankin, Hill, Porter & Clark LLP	Enclosed	
	Authorized to be	charged to deposit account
Street Address: 925 Euclid Avenue, Suite 700	8. Deposit account num	iber:
		18-0160
City: Cleveland State: Ohio Zip: 44115	(Attach duplicate copy of th	his page if paying by deposit account)
DO NOT USE	THIS SPACE	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing	information is true and col	rrect and any attached copy
is a true copy of the original document.	1.101	
David E. Spaw	W Br-	<u>08/16/2002</u> Date
Name of Person Signing	Signature	
Total number of pages including coverses including coverses including coverses to be recorded with	required cover sheet information	
002 DBYRNE 00000104 0470124 Commissioner of Patents &	Trademarks, Box Assignments n, D.C. 20231	

PATENT REEL: 13221 FRAME: 0693

ASSIGNMENT

This Assignment is entered into by

Professor P. Günter, Professor J. Hulliger and Dr. R. Gutmann of the Institut für Quantenelektonik ETH-Hönggerberg, CH-8093 Zürich, Switzerland (hereinafter the ASSIGNORS) on the one hand and

Sandoz Chemicals Ltd., CH 4002 Basle, Switzerland (hereinafter SANDOZ) on the other hand.

WITNESSETH

WHEREAS the ASSIGNORS are the true and first inventors of the invention or inventions that are the subject matter described in U.S. Patent Application No. 07/992,952, filed on December 18, 1992, relating to FILMS OF KTN AND KTAO2, (hereinafter defined as the Invention);

WHEREAS the ASSIGNORS are willing to assign all rights to the Invention and to each and every patent, in any country of the world resulting therefrom as well as the right to apply for such patents;

WHEREAS SANDOZ is desirous and willing to receive such rights.

NOW THEREFORE, the parties agree as follows:

- The ASSIGNORS shall assign to SANDOZ (or any company designated by SANDOZ 1) including Sandoz AG, Basle) all benefit in the Invention and all patents in any country which may result therefrom at any time prior, during or subsequent to this Agreement together with the right to file (in the name of the ASSIGNORS if SANDOZ so desires or is required by law so to do), an application in any country of the world for patents and/or equivalent rights of exclusion and shall give SANDOZ and its attorneys all reasonable assistance to obtain the benefits of any inventions.
- In consideration of the above, SANDOZ agrees to pay the ASSIGNORS a licence fee 2) of 7% based on the sales, of any KTaNbO, crystal films (which, but for this Assignment, would have been an infringement of a valid claim of a patent, resulting from the Invention, in that particular country) so long as the patent in that particular country remain in force. The ASSIGNORS agree that this consideration fully covers all legal remuneration due to the Assignors as inventors (e.g. inventor remuneration).
- a) After three years from the end of the year of the signing of this Assignment, if 3) SANDOZ wishes to maintain in its own name all patents, then SANDOZ shall make a payment of a minimum royalty of SFr. 60,000 for the Effet year and of Sfr. 80,000 for every following year. Payment of minimum royalties for any one year does n o t automatically bind SANDOZ to pay minimum royalties for future years.

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Payments made under Section 2 may be offset against the minimum royalty in any one year.

b) Should SANDOZ no longer wish to pay a minimum royalty, it shall inform the ASSIGNORS of its intention. In such a case, the ASSIGNORS will have the right to demand that SANDOZ reassign one or all the patents to the ASSIGNORS, in which case SANDOZ will receive a non-exclusive licence under any patent or patents for which the ASSIGNORS make use of this right. The fee for the production under this non-exclusive licence is then reduced to 3% and the minimum royalty mentioned in section 3 no longer applies.

- 4) The patent costs shall be the responsability of the patent owner at the time the particular fee is due.
- 5) This Agreement constitutes an entire Agreement between the parties regarding the Assignment of the Invention and sepercedes all written and oral prior agreements or understandings. No variation or modification of the terms or provisions of this Agreement shall be valid unless in writing signed by all parties thereto.
- 6) Should any of the obbligation herein be invalid in law, the Parties agree in good faith to negotiate valid replacement clauses designed to maintain the balance of the Agreement and to comply with the intentions of the contracting parties.
- 7) This Agreement will be governed by a Swiss Law. The place of jurisdiction is Zürich, Switzerland.



IN WITNESS WHEREOF each party has caused this Assignment to be executed by the said party personally or by duly authorized representatives.

Signed this day of 1.11. 93

in Zürich

forts

Professor P.Günter

Signed this day of 12 11.93

ullige Professor J. Hullinger

Signed this day of 27.11.93

R Reto

Dr. R. Gutmann

Signed this day of

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in Basle June 22, 93

Sandóz Chemicals Ltd.

RECORDED: 08/26/2002