FORM PTO-1595 (Modified) (Rev 6-9)	11-17-19	U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Pa	10120268	
 Name of conveying party(ies): LUTZ ROTHE 	(Ca)	Name and address of receiving party(ies):
EC12 KOTTE	S GROW 1 S NOW	Name: PATES TECHNOLOGY
	FICHT & TRADEMARE	Internal Address:
Additional names(s) of conveying party(ies)	Yes No	PATENTVERWERTUNGSGESELLSCHAFT FUR
3. Nature of conveyance:		SATELLITEN UND MODERNE INFORMATIONSTECH
★ Assignment □	Merger	Street Address: STEINMETZSTRASSE 7,
☐ Security Agreement ☐	Change of Name	D-23556 LUBECK, GERMANY
☐ Other		City: State: ZIP:
Execution Date: October 20, 1999		Additional name(s) & address(es) ☐ Yes ☒ No
4. Application number(s) or registration number	umbers(s):	
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)
09/142,679		
,		
	Additional numbers	☐ Yes ☒ No
5 Name and address of party to whom or		
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:
Name: RICHARD C. WOODBRIDGE		7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address: WOODBRIDGE & ASSOCIATES, P.C.		
		⊠ Enclosed
		☐ Authorized to be charged to deposit account
Street Address: P.O. BOX 592		Deposit account number:
		o. Deposit account number.
City: PRINCETON State:	NJ ZIP: 08542	23-3040 (Attach duplicate copy of this page if paying by deposit account)
1/16/1999 DNGUYEN 00000298 09142679		JSE THIS SPACE
1 FC:581 40.00 OP		
Statement and signature.	6 H . 6	
To the best of my knowledge and belie of the original document.	t, the foregoing informa	ation is true and correct and any attached copy is a true copy
RICHARD C. WOODBRIDGE	Michal !	1 Charlenge Nr. 8 1999
Name of Person Signing		Signature Date
Total	number of pages including of	cover sheet, attachments, and

PATENT REEL: 010376 FRAME: 0518

Attorney Docket No. 5123-103US

ASSIGNMENT

WHEREAS, Lutz ROTHE, as assignor, has invented certain improvements in "PLANAR EMITTER" for which an application for United States Letters Patent has been filed under serial no. 09/142,679, and whereas, Pates Technology Patentverwertungsgesellschaft fur Satelliten und Moderne Informationstechnologien MCH, having a corporate business address at Steinmetzstrasse 7, D-23556, Lubeck, Germany, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the assignor hereby sells, assigns and sets over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all countries foreign, and the Commissioner of Patents is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for himself and his legal representatives, heirs and assigns does hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representative all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

Dated: oct.	20, 1999	Lutz ROTHE
State of	: : ss:	
County of	: 55:	
This 20	day ofO	ct. 1999, 1998 before me personally came the above named , to me known as the individual who executed the foregoing instrumen
who acknowled set forth.	ged to me that the	same was executed by him of his own free will for the purpose therein
(SEAL)		Notary Public

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PATENT 'REEL: 010376 FRAME: 0519