12-03-1999 RECORDATION FORM RTMENT OF COMMERCE (Re: 6-9: i OMB No 0651-0011 (ext. 4/94) tent and Trademark Office Copyright 1994 Legalsof P08/REV(1 Tab settings → To the Honorable Commissioner of Patents and Trademarks: Please record tile attached original documents or copy thereof Name of conveying party(ies). 2. Name and address of receiving party(ies): Lutz Rothe Name: Pates Technology Patentverwertungsgesellschaft Internal Address: fur Satelliten and Moderne Informationstechnologien MCH ☐ Yes 🏻 No Addit onal names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: Steinmetzstrasse 7, ☑ Assignment ☐ Merger Security Agreement Lubeck, Germany D-23556 Change of Name Other City: State: ZIP: Execution Date: 10/20/99 Additional name(s) & address(es) ⊠ No 4 Application number(s) or registration numbers(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 correspondence 6. Total number of applications and patents involved: concerning document should be mailed: 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 8. Deposit account number: 23-3040 City: PRINCETON State: NJ ZIP: 08542 (Attach duplicate copy of this page if paying by desosit account) DO NOT USE THIS SPACE 9. Statement and signature. 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. M/12 B RICHARD C. WOODBRIDGE Date 🕏 Name of Person Signing Total number of pages including cover sheet, attachments, and

REEL: 010406 FRAME: 0668

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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 scrial no. 09/142,679, and whereas, Pates Technology Patentverwertungsgesellschaft für 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 | : | |
| County of | ; 52 ; | |
| This <u>20</u> | , to | 1999 , 1998 before me personally came the above named, me known as the individual who executed the foregoing instrument |
| - who acknowleds - ser forth, | ged to me that the sam | ne was executed by him of his own free will for the purpose therein |
| 34. 101mi. | | Son Molel |
| | | Notary Public |
| (SEAL) | | / |

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