Atty Docket No.: 2454 DUS2

FORM PTO-1595
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RECORDATION FOR PATENA



S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Director of the United States Patent and Trademark Office. Please record the attached Oliginal ments or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Trygve Frederik MARTON and Ingvar Flaten AARNES TANDBERG TELECOM AS Address: Philip Pedersens vei 22, Lysaker, N-1366 Norway Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Additional name(s) and address(es) attached? 🔲 Yes 🌉 No Execution Date: March 30, 2004 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 10/724,043 Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this 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 correct and any attached copy is a true copy of the original document. Marvin J. Spivak Name of Person Signing Joseph A. Scafetta, Jr. Registration Number: 24,913 Registration No. 26,803 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313 06/23/2004 GWDRDOF1 00000086 10724043 01 FC:8021 40.00 DP

PATENT

REEL: 015491 FRAME: 0502

Assignment of Application

| , | WHEREAS, I (WE) Trygve Frederik MARTON residing at Oslo, Norway | |
|-----------|--|-----------------|
| 3 1: - | Ingvar Flaten AARNES residing at Oslo, Norway | |
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| - | | , respectively, |
| , | have invented certain new and useful improvements in: ECHO CANCELLER WITH REDUCED REQU | |
| | FOR PROCESSING POWER | 31101111 |
| | | |
| NED | For which an application for Letters Patent was executed on | |
| | (Application No. 10/724,043 , filed <u>December 1, 2003</u> |), and |
| | WHEREAS, Tandberg Telecom AS | |
| | (1 ' C | |

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: Philip Pedersens vei 22, Lysaker, Norway N-1366, Norway is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said A\$SIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE. its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

10/01

PATENT REEL: 015491 FRAME: 0503

| Date: 2009-03-30 | Ouxue Slant | Page 2 of 2 |
|------------------|---|-------------|
| Date: 2004-03-30 | (Signature of Inventor) Trygve Frederik MARTON | |
| Date: | (Signature of Inventor) Ingvar Flaten AARNES (Signature of Inventor) | |
| Date: | (Signature of Inventor) | |
| Date: | (Signature of Inventor) | |
| Date: | | |
| | (Signature of Inventor) | |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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10/01

RECORDED: 06/22/2004

PATENT REEL: 015491 FRAME: 0504