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To the Honorable Commissioner of Patents and Trademarks. Pl	lease record the attached original documents or copy thereof.
 Name of Conveying Party(ies): (1) TAKESHI SHIBATA (2) KENICHI SAKAMOTO (3) HIDEHIRO FUKUSHIMA 	Name and Address of Receiving Party(ies): Name: ALAXALA Networks Corporation Address: 890 Kashimada, Saiwai-ku, Kawasaki City: Kanagawa, Japan
Additional names of conveying parties attached: Yes No No No	-
 ☑ Assignment ☐ Security Agreement ☐ Other: ☐ Merger ☐ Change of Name 	
Execution Date: (1)(2) May 23, 2007 (3) May 28, 2007	
4. (a) Patent Application Number(s):	4. (b) Patent Numbers:
If this document is being filed together with a new application, the execution date of the application is:	
Additional Numbers Attached.	
5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:	6. Total Number of Applications and Patents Involved: 1
Name: Stanley P. Fisher	7. Total Fee: \$40.00 (37 C.F.R. § 3.41)
Address: Reed Smith LLP 3110 Fairview Park Dr. Suite 1400 Falls Church, VA 22042	Enclosed.Authorized to be charged to deposit account.
	8. Deposit Account Number: 08-1480
	ATTACH DUPLICATE COPY OF THIS PAGE IF PAYING BY DEPOSIT ACCOUNT
DO NOT USE THIS SPACE	
9. Statement and Signature:	-64.
To the best of my knowledge and belief, the foregoing is to original document	rue and correct and any attached copy is a true copy of the
Hackelan	June 26, 2007
MM Survey	Juan Carlos A. Marquez, Registration No. 34,072
Stahley P. Fisher, Registration No. 24, 344	U 00000
Total number of pages comprising cover sheet: 1	
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ASSIGNMENT (譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by ALAXALA Networks Corporation, a corporation organized under the laws of Japan, located at 890, Kashimada, Saiwai-ku, Kawasaki, Kanagawa, Japan receipt of which is hereby acknowledged I do hereby sell and assign to said ALAXALA Networks Corporation, its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

NETWORK APPARATUS FOR REDUNDANT MULTICAST

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted,

to be held and enjoyed by said ALAXALA Networks Corporation,

its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said ALAXALA Networks Corporation,

Signed on the date(s) indicated aside our signatures:

RECORDED: 06/26/2007

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) Takeshi Shibata	5/23/2007
2) Kanishi Sakamoto	5/23/2007
3) Hidehire Fukushina	5/28/2067
4)	
5)	
6)	
7)	
8)	
9)	
10)	

PATENT REEL: 019537 FRAME: 0014