07-24-1998

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	100 <u>7</u> 7	36 80	U.S. DEPARTMENT OF Patent and Trade	emark Office
Tab settings □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			d original documents or conv	thereof
1. Name of conveying party(ies): Tetsujiro Kondo James J. Carrig Yasuhiro Fujimori Sugata Ghosal Additional name(s) of conveying party(ies) attact		2. Name and address Name: Sony Corp	of receiving party(ies):	11.357 11.357
l –		City Tokyo, Japan	35 Kitashinagawa ne, Shinagawa-ku ————————————————————————————————————	\
4. Application number(s) or patent in If this document is being filed togethe A. Patent Application No.(s) Add Add	• •	B. Patent	No.(s)	1998
Name and address of party to whom corr concerning document should be mailed:	Name and address of party to whom correspondence		applications and patents i	nvolved:
Name: Maria McCormack Sobi	rino	7 Total fee (37 CF	R 3.41)\$ 40.00	
Internal Address: Blakely Sokoloff Street Address: 1279 Oakmead Page 1		X Enclosed		account
		8. Deposit account	t number:	
/1998 Pibroom Sul Brook Waste 99111357 State: <u>CA</u> ZIP: <u>94086</u>		(Attach duplicate cor	02-2666 by of this page if paying by de	posit account
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9. Statement and signature. To the best of my knowledge and be copy is a true copy of the original of Maria McCormack Sobrino Reg. No. 31,639 Name of Person Signing	document. Muna 7	formation is true and o	•	1 ₁ 1998

LJV/cak 02/16/94

80398.P156C3 Mail documents to be recorded with required cover sheet information to:
Page 1 of 2
LIV/cak 02/16/94 Washington, D.C. 20231

PATENT

REEL: 9330 FRAME: 0234

Page 2 of 2

Attachment to Patent Recordation Cover Sheet

Attorney Docket No. 80398.P156C3

Title: Apparatus and Method for Localizing Transmission Errors to Provide Robust Error Recovery in a Lossy Transmission Environment

Express Mail Label: EL034144848US

Additional Assignee:

Sony Electronics Inc. 1 Sony Drive Park Ridge, NJ 07656

PATENT ASSIGNMENT Attorney's Docket No.: 80398.P156C3 (For Execution Prior To Filing Patent Application) In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned, Tetsujiro Kondo, James J. Carrig, Yasuhiro Fujimori, and Sugata Ghosal hereby sell, assign, and transfer to Sony Corporation a corporation of Japan _____, having a principal place of business at 6-7-35 Kitashinagawa, Shinagawa-ku, Tokyo, 141 Japan; and Sony Electronics, Inc. a corporation of Delaware , having a principal place of business at 1 Sony Drive, Park Ridge, New Jersey 07656, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled APPARATUS AND METHOD FOR LOCALIZING TRANSMISSION ERRORS TO PROVIDE ROBUST ERROR RECOVERY IN A LOSSY TRANSMISSION ENVIRONMENT and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

resulting from the filing of said United States application;

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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PATENT Rev. 10/01/96 (A1)

PATENT REEL: 9330 FRAME: 0236

Each Inventor: Please Si	gn <u>and Date</u> Below:	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
June 22, 1998 7. Date Nam	e: Tetsujiro Kondo	June 22, 1998 Date
June 3, 19 98 Nam	e: James J. Carris	<u>June 3</u> , 19 <u>98</u> Date
June 2, 1998 June Date Nam	e: Yasuhiro Fujimori	June 2, 1978 Date
June 2, 1998 June Date Nam	gata Cosal g: Sugata Ghosal	June 2, 19 98 Date
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State of:	Assignment Document SS. BLAKELY, SOKOLOFF, 12400 Wilshire Blvd., S Los Angeles, CA 9002 (408) 720-8598	TAYLOR & ZAFMAN LLP eventh Floor
the undersigned Notary Public	19, before me, c, personally appeared] proved to me on the basis of the executed it. al seal.	
Notary's Signature		

-2-

RECORDED: 07/06/1998

Rev. 10/01/96 (A1) PATENT