FORM PTO-1619A/B	12-07-1999	U.S. Department of Commer Patent and Trademark Office
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	101215643	Attorney Docket No.: QCPA990390
TO: The Commissioner of Patents and Traden	I'J I Z I JOHJ	
Submission Type	Conveyance Ty	
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Conveying Party(ies)	Mark if additional name	es are attached
NAME	house a	EXECUTION DATE
		Month, Day, Year (MMDDYYY)
1. Guangming Carl Shi		11/23/99
2.		
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Receiving Party	Mark if additional nam	ies are attached
Name: QUALCOMM Incorporated		
A Delaware Corporation Address (Street number and name): 577	5 Marahausa Drive	
	Diego, California, 92121-1714	
Correspondent Name and Address Name: QUALCOMM Incorporated		Tolonhone Number (950) (51 500)
Attn: Jean Lupien		Telephone Number: (858) 651-5886 Facsimile: (858) 658-2502
Address: 5775 Morehouse Drive		Facsimile: (858) 658-2502
Address: 3775 Morenouse Drive Address: San Diego, California 92121-17	1.4	
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Date: 11/23/99		
Name: Raymond B. Hom, Reg. No. 44,77	Signature: Kayn	BHom
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PATENT REEL: 01.0445316FR/AME:::0532

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that I, GUANGMING CARL SHI a citizen of the Philippines having a place of residence at 12968 Caminito Bautizo, San Diego, California 92130, have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to a METHOD AND APPARATUS FOR A VOICE CONTROLLED FOREIGN LANGUAGE TRANSLATION DEVICE by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on even date herewith, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

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[PA990390ASSN]

PATENT REEL: 010413 FRAME: 0533 The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this <u>73</u> day of <u>Mov</u>, 1999. **GUANGMING CARL SHI** STATE OF CALIFORNIA Ss.

COUNTY OF SAN DIEGO

(seal)

On $\frac{1}{12} \frac{1}{12} \frac{1}{12} \frac{1}{12} \frac{1}{12}$, 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared GUANGMING CARL SHI, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he executed same.

Notary Public

MONIQUE HATCH Comm #1123395 CTARY PUBLIC C San Diego County Comm. Expires Jan. 20, 2001

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PATENT REEL: 010413 FRAME: 0534

RECORDED: 11/23/1999