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Name:	QUALCOMM Incorpora					
Address:	A Delaware Corporation 5775 Morehouse Drive					
Address:	San Diego, California, 9	2121-1714				
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Name:	QUALCOMM Incorpora			<b>Felephone Num</b> l		
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PATENT REEL: 012931 FRAME: 0560

## ASSIGNMENT

## TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I Paul W. Primrose, a citizen of the United States of America, having a place of residence at 11318 Matinal Cir. San Diego CA. 92127; 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 BALL GRID ARRAY X-RAY ORIENTATION MARK by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on October 30, 2001, and assigned Serial No. 10/016,288, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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.

[010381]

PATENT REEL: 012931 FRAME: 0561

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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  $\frac{25}{49}$  day of  $\frac{April}{49}$ , 2002.

Paul W. Primrose

[010381]

## PATENT REEL: 012931 FRAME: 0562