

DOCUMENT #479168  
DATE 05/10/90 TIME 15:50

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RUFUS L. CONLISEN  
SECRETARY OF STATE  
NORTH CAROLINA

Return to: Mr. J. Serafin  
Newsom, Graham, et al.  
P.O. Box 51579  
Durham, NC 27717-1579

**ARTICLE OF AMENDMENT  
TO THE BYLAWS OF  
MICROELECTRONICS CENTER OF NORTH CAROLINA**

The undersigned nonprofit Corporation hereby executes this Article of Amendment for the purpose of amending its Articles of Incorporation:

- (1) The name of the Corporation is Microelectronics Center of North Carolina.
- (2) The name of the Corporation as amended shall be "MCNC"
- (3) The Corporation has no members.

This Amendment was adopted by a two-thirds vote of the Board of Directors at its regularly scheduled meeting on April 12, 1990.

IN WITNESS WHEREOF, this Article is signed by the President and Secretary of the Corporation, this 30th day of April, 1990.

**MICROELECTRONICS CENTER OF  
NORTH CAROLINA**

By: [Signature]  
Matthew Kuhn, President

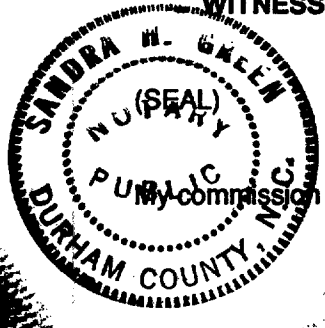
By: [Signature]  
W. Holt Anderson, Secretary

**STATE OF NORTH CAROLINA  
COUNTY OF DURHAM**

This is to certify that on this 30 day of April, 1990, before me, a Notary Public, personally appeared MATTHEW KUHN and W. HOLT ANDERSON, each of whom, being by me first duly sworn, declare that he signed the foregoing document in the capacity indicated, that he was authorized so to sign, and that the statements therein contained are true.

WITNESS my hand and official seal, this 30 day of April 1990.

[Signature]  
Notary Public  
Durham, NC



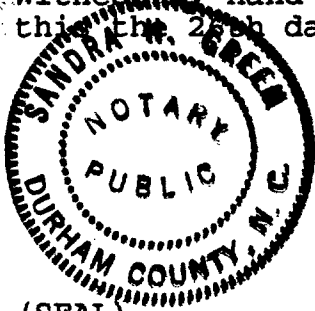
My commission Expires: 2-1-1993

STATE OF NORTH CAROLINA

COUNTY OF *Durham, NC*

This is to certify that on this 26th day of August, 1992, before me, a Notary Public, personally appeared Matthew Kuhn and George F. Howe, each of whom, being by me first duly sworn, declared that he signed the foregoing document in the capacity indicated, that he was authorized so to sign, and that the statements therein contained are true.

Witness my hand and official seal,  
this ~~26th~~ 26th day of August, 1992.



(SEAL)

*Sandra H. Green*  
Notary Public  
*Durham, NC*

My commission expires: 2-15-1993