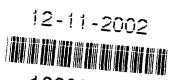
FORM PTO-1619A Expires 06/30/99 OMB 0651-0027



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## ASSIGNMENT

Jung Lin Pan, residing at 15 Court Street, Selden, New York, 11784, a citizen of Taiwan; Younglok Kim, residing at 1090 Kingsland Lane, Fort Lee, New Jersey, 07024 a citizen of Korea; and Ariela Zeira, residing at 239 West Neck Road, Huntington, New York, 11743, a citizen of the United States, are the inventors of

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

InterDigital Technology Corporation, a Delaware corporation, having a place of business at 300 Delaware Avenue, Suite 527, Wilmington, DE 19801, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of

PATENT REEL: 013551 FRAME: 0702 the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

The undersigned warrants that the rights and property herein conveyed are free and clear of any encumbrance.

EXECUTED under seal on this 18th day of November, 2002 at (Place)

Witness:

Jung Lin Pan (L.S.)

State of New York

SS.

County of SIFFIK

Witness my hand and Notarial seal the day and year immediately above written.

Ńotary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/c?

2 of 4

PATENT REEL: 013551 FRAME: 0703

at
Witness:
Younglok Kim (L.S.)
State of New York
County of SUFFOLK ss.
On this day of day of 2002 before me personally appeared Younglok Kim, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.  Witness my hand and Notarial seal the day and year immediately above
written. $\mathcal{A}$

Notary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/07

at
Witness:
Ariela Zeira (L.S.)
State of New York
County of SIFFEIV
On this day of d
Notary Public

My Commission Expires:

PATRICIA MCDONNELL
NOTARY PUBLIC, STATE OF NEW YORK
No. 5007034
QUALIFIED IN SUFFOLK COUNTY
TERM EXPIRES 1/19/07

4 of 4

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