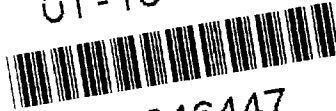


FORM PTO-1619A  
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01-15-2002

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Month Day Year  
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Name (line 1) GRIECO, DONALD

Execution Date  
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Anthony L. Venezia

Name of Person Signing  
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Signature

Date

12/27/01

Attorney's Docket No. I-2-226.1US

**ASSIGNMENT**

Aykut Bultan, residing at 16-70 Bell Blvd., Apt. 515, Bayside, NY 11360, a citizen of Turkey; and Donald Grieco, residing at 18 Shore Road, Manhasset, NY 11030, a citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of CODE TRACKING LOOP WITH AUTOMATIC POWER NORMALIZATION for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. \_\_\_\_\_, filed December 27, 2001.

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 corporation organized and existing under the laws of the State of Delaware and having its principal place of business at 300 Delaware Avenue, Suite 527, Wilmington, Delaware, (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.

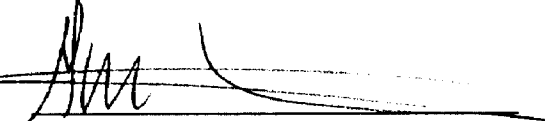
For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention 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 thereof, throughout the world, including the right to claim priority under the Paris Convention.


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 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.

EXECUTED under seal on this 21<sup>st</sup> day of December, 2001.

Witness:



 (L.S.)  
Aykut Bultan

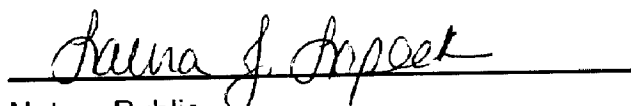
State of New York

ss. Melville

County of Suffolk

On this 21<sup>st</sup> day of December, 2001 before me personally appeared Aykut Bultan, 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.

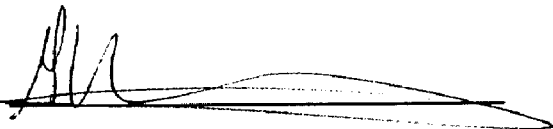
  
Notary Public

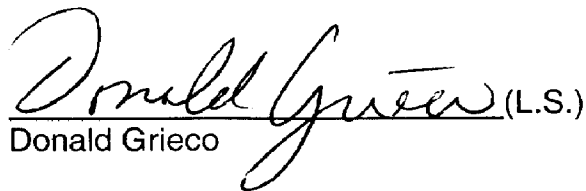
My Commission Expires:

**Laura J. Lopeck**  
**Notary Public, State of New York**  
**No. 01LO6004541**  
**Qualified in Nassau County**  
**Commission expires March 23, 2002**

EXECUTED under seal on this 21<sup>st</sup> day of December, 2001.

Witness:



 (L.S.)  
Donald Grieco

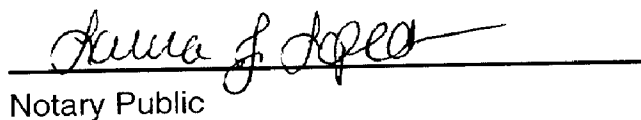
State of New York

ss. Melville

County of Suffolk

On this 21<sup>st</sup> day of December, 2001 before me personally appeared Donald Grieco, 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.

  
Notary Public

My Commission Expires:

**Laura J. Lopeck**  
**Notary Public, State of New York**  
**No. 01LO6004541**  
**Qualified in Nassau County**  
**Commission expires March 23, 2002**