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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):
 (1) Anthony G. Tornetta
 (2) Harry V. Paul

Additional name(s) of conveying party(ies) attached? YES NO

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Correction of Assignment Recordation
 (previously recorded at Reel _____, Frame _____).
 Other

Execution Date: (1) October 20, 1999
 (2) October 25, 1999

2. Name and address of receiving party(ies):
 Name: INRANGE Technologies Corporation
 Internal Address: _____
 Street Address: 13000 Midlantic Drive
 City: Mount Laurel State: NJ ZIP: 08054

Additional name(s) & address(es) attached? YES NO

JC675 U.S. PTO
09/428753
10/28/99

4. Application number(s) or patent number(s): 09/428753
 If this document is being filed together with a new application, the execution date of the application is: 10-20-99 / 10-25-99
 A. Patent Application Number(s) _____
 B. Patent Number(s) _____

Additional number(s) attached? YES NO

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Jack J. Jankovitz

Internal Address: Ratner & Prestia
 Street Address: Suite 301, One Westlakes, Berwyn,
P.O. Box 980

City: Valley Forge State: PA ZIP: 19482-0980

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 18-0350
 (Attach duplicate copy of this page if paying by deposit account.)

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9. Statement and signature.
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.

Jack J. Jankovitz
 Name of Person Signing
 42,690
 Registration. No.

[Signature]
 Signature

10/28/99
 Date

Total number of pages including cover sheet, attachments, and document: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

11/05/1999 MTHAI1 00000079 09428753

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ASSIGNMENT

WHEREAS, we, **Anthony G. Tornetta of 210 Leonard Drive, King of Prussia, Pennsylvania 19406** and **Harry V. Paul of 155 Marne Avenue, Haddonfield, New Jersey 08033**, (hereinafter referred to as "**ASSIGNOR**") have made an invention entitled **HIGH SPEED LINKING MODULE**, for which, on even date herewith, the **ASSIGNOR** executed an application for United States Letters Patent;

Whereas, the **ASSIGNEE, INRANGE TECHNOLOGIES CORPORATION**, a corporation of **Delaware**, having a place of business at **13000 Midlantic Drive, Mount Laurel, New Jersey 08054**, is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the **ASSIGNEE** the **ASSIGNOR'S** entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said patent application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that **ASSIGNOR** shall be legally bound, upon request and at the expense of the **ASSIGNEE** or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America and foreign countries in the name of the **ASSIGNEE** and to execute all instruments proper to carry out the intent of this instrument.

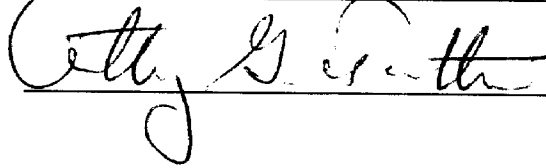
Because **ASSIGNOR** includes more than one person, these obligations shall apply to those persons both individually and collectively.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

ASSIGNOR #1:

Typed Name: Anthony G. Tornetta



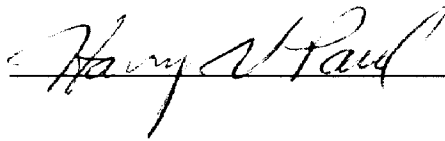
Signature

Date: 10/20/99

Witness as to ASSIGNOR #1: (Optional) _____

ASSIGNOR #2:

Typed Name: Harry V. Paul



Signature

Date: Oct 25, 1999

Witness as to ASSIGNOR #2: (Optional) _____