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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stanley S. Toncich

7.24.02

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Execution Date: May 22, 2002

2. Name and address of receiving party(ies)

Name: Kyocera Wireless Corp.

Internal Address:

Street Address:

10300 Campus Point Drive

City: San Diego State: CA Zip: 92121

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/904,631

B. Patent No.(s)

To Be Assigned

Additional numbers attached? Yes No

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

Name: Kyocera Wireless Corp.

Internal Address:

Street Address:

P.O. Box 928289

City: San Diego State: CA Zip: 92192-8289

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:

(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.

William J. Kolegraff

Name of Person Signing

Signature

July 15, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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40.00 OP

PATENT REEL: 013124 FRAME: 0368

**ASSIGNMENT**

For valuable consideration, I, Stanley S. Toncich, of 11155 Spooner Court, San Diego, CA 92131 hereby assign to: KYOCERA WIRELESS CORP., a DELAWARE corporation having a place of business at 10300 Campus Point Drive, San Diego, California 92121; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States patent signed by me, entitled TUNABLE FERRO-ELECTRIC FILTER, filed July 13, 2001, and assigned U.S. Serial Number 09/904,631, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention of the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: 5/22/02

Stanley S. Toncich  
Stanley S. Toncich