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 1 Peter Larsson 5
 2 Niklas Johansson 6
 3 Rong Hu 7
 4 Zhang Zhang 8

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Execution Date: March 22, 2005; March 22, 2005;
 March 28, 2005; March 17, 2005
 (respectively)

2. Name and address of receiving party(ies):
 1) Name: Telefonaktiebolaget LM Ericsson (publ)
 Street Address:
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 State/Country: Sweden Zip: SE-164 83
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4. Application number(s) or patent number(s): This assignment is being filed together with a new application.
 A. Patent Application No(s).
 (1) To be assigned
 (2)
 (3)
 B. Patent No(s).
 (1)
 (2) 11/792286
 (3)
 Additional numbers attached Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: John R. Lastova
 Internal Address:
 Street Address: Nixon & Vanderhye P.C.
 901 North Glebe Road
 11th Floor
 City: Arlington State: VA Zip: 22203

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
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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.

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 Name of Person Signing
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Signature

June 5, 2007
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PATENT
 REEL: 019433 FRAME: 0441

11/792286

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Atty. Dkt.

JOINT

ASSIGNMENT OF PATENT APPLICATION

WHEREAS We Peter Larsson, Niklas Johansson,

Rong Hu, and Zhang Zhang, of

Ballongatan 2 1tr. S-169 71 Solna, Sweden, Töjnavägen 27A, S-191 34 Sollentuna, Sweden,

Shang Chen District, CN-Hangzhou 310000, China, and Xi ba He, Chaoyang District, CN- Beijing

10004, China, respectively, (see attached sheet for additional inventors) have made a

certain new and useful invention as set forth in an application for United States Letters

Patent for an invention entitled Advanced routing metrics in multihop networks

_____ , and executed by us on _____

_____ , Serial No. _____ ,

filed _____ ;

AND WHEREAS TELEFONAKTIEBOLAGET LM ERICSSON (of _____

S-164 83 STOCKHOLM, Sweden , is desirous of acquiring the entire

right, title and interest in and to said invention and in and to any and all Letters Patent of the United States which may be obtained therefor;

NOW, THEREFORE, for \$10.00 and other good and valuable consideration in hand, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto TELEFONAKTIEBOLAGET LM ERICSSON (publ) , its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, and in and to any and all patents of the United States which may be issued for said invention;

We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said _____ TELEFONAKTIEBOLAGET LM ERICSSON (pt , its legal representatives, successors or

assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby;

We hereby covenant that we have full right to convey the entire interest herein assigned and have not executed, and will not execute, any agreement in conflict herewith, and we also agree to execute all papers in connection with the application and any continuing or divisional applications thereof and in connection with any interference which may be declared involving this application or any continuing or divisional application thereof;

AND we hereby grant the firm of _____ the power to insert on this assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this assignment.

050322
Date:

(1) Peter Larsson
Inventor: Peter Larsson

050322
Date:

(2) Niklas Johansson
Inventor: Niklas Johansson

Date:

(3) _____
Inventor: Rong Hu

Date:

(4) _____
Inventor: Zhang Zhang

WITNESSES:

(1) [Signature]
050322
Date:

(3) _____
Date:

(2) [Signature]
050322
Date:

(4) _____
Date:

assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby;

We hereby covenant that we have full right to convey the entire interest herein assigned and have not executed, and will not execute, any agreement in conflict herewith, and we also agree to execute all papers in connection with the application and any continuing or divisional applications thereof and in connection with any interference which may be declared involving this application or any continuing or divisional application thereof;

AND we hereby grant the firm of _____ the power to insert on this assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this assignment.

(1)

Date: _____

Inventor: Peter Larsson

(2)

Date: _____

Inventor: Niklas Johansson

(3)

2005.03.28

Inventor: Au Rong
Rong Hu

(4)

2005.03.17

Inventor: Zhang Zhang
Zhang Zhang

WITNESSES:

(1) _____

(3) _____

Date: _____

Date: _____

(2) _____

(4) Liu Jinhua

Date: _____

2005.3.17
Date: _____