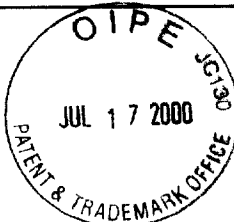
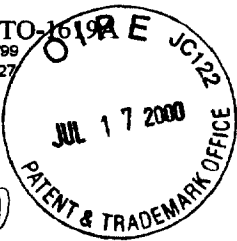


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Area Code and Telephone Number

(732) 532-4112

Name U.S. Army Communications-Electronics Command

Address (line 1) ATTN: AMSEL-LG-L (Michael Zelenka)

Address (line 2) Fort Monmouth, NJ 07703-5010

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Patent Application Number(s)

09/525090 09/525597
09/525 735
09/5255 96

Patent Number(s)

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Lucent Technologies Inc., (hereinafter referred to as "Lucent") having an office at Guilford Center, P. O. Box 25000, Greensboro, NC, 27420, has determined that the invention defined by the specified claims of the patent application identified below is a "Subject Invention," under the Patent Rights Clause, FAR 52.227-12, dated April, 1984, included in Contract No. DAAB07-98-C-D009, and this document is confirmatory of all rights granted to the Government under such clause.

Serial No.: 09/525090 Filing Date: March 14, 2000
Title: Location Based Routing For Mobile Ad-Hoc Networks
Inventors: W. Ahmed, H. Jiang, M. S. Kodialam, P. Monogioudis, and K. M. Rege
Case: 12-12-11-9-26 Specified Claims: All


Nothing contained herein shall be deemed to grant rights or licenses under any other inventions, patents or applications for patents.

Lucent agrees that the Government is not estopped at any time to contest the enforceability, validity, or scope of or title to the patent application identified above or any patent resulting therefrom.

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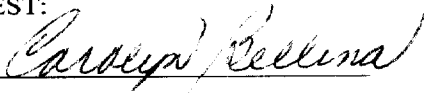
Signed this 17th day of May, 2000.

Lucent Technologies Inc.

By: 
Martin I. Finston
Corporate Counsel, Lucent

SEAL

ATTEST:



Assistant Secretary

LPD-17 (1-24/90)

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REEL: 011021 FRAME: 0722**



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By: 
Martin I. Finston
Corporate Counsel, Lucent

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ATTEST:



Assistant Secretary

LPD-17 (1-24/90)

**PATENT
REEL: 011021 FRAME: 0723**



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Serial No.: 09/525735 Filing Date: March 14, 2000
Title: Location Based Routing For Mobile Ad-Hoc Networks
Inventors: W. Ahmed, H. Jiang, M. S. Kodialam, P. Monogioudis, and K. M. Rege
Case: 11-11-10-8-25 Specified Claims: All


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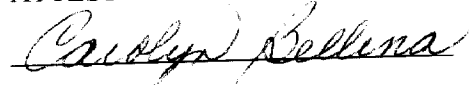
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Lucent Technologies Inc.

By: 
Martin I. Finston
Corporate Counsel, Lucent

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ATTEST:


Assistant Secretary

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REEL: 011021 FRAME: 0724**



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Lucent Technologies Inc.

By: 
Martin I. Finston
Corporate Counsel, Lucent

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ATTEST:


Assistant Secretary

LPD-17 (1-24/90)

**PATENT
REEL: 011021 FRAME: 0725**



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Serial No.: 09/525596 Filing Date: March 14, 2000
Title: A Connectionless Routing Protocol For A Two Level Network With Mobile
Aerial And Land-Based Nodes
Inventors: W. Ahmed, B. T. Doshi, H. Jiang, M. S. Kodialam, and K. M. Rege
Case: 10-49-10-13-24 Specified Claims: All


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Corporate Counsel, Lucent

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ATTEST:



Assistant Secretary

LPD-17 (1-24/90)

**PATENT
REEL: 011021 FRAME: 0728**



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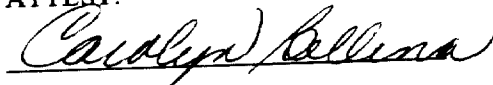
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LPD-17 (1-24/90)

RECORDED: 07/17/2000

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REEL: 011021 FRAME: 0729