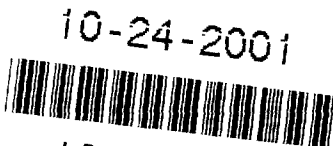
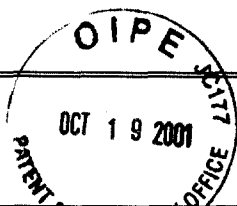


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Heng Loong LEE, Dimitra SIMEONIDOU

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☐ yes

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ALCATEL
54, rue La Boetie
75008 Paris, FRANCE

3. Nature of Conveyance:

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☐ Security Agreement

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Execution Date: September 7, 2001

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A. Patent Application No.(s)/Confirmation No.(s)
09/941,662 /7421

B. Patent No.(s)

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

SUGHRUE MION, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
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Assignment

Whereas, I/We, Heng Loong LEE of Essex, United Kingdom; and
Dimitra SIMEONIDOU of Essex, United Kingdom, hereinafter called assignor(s), have invented
certain improvements in AN OPTICAL SIGNAL PROCESSOR and executed an application for
Letters Patent of the United States of America therefor on September 7, 2001; and

Whereas,

Alcatel
54 rue La Boetie
75008 Paris, France

(assignee), desires to acquire the entire right, title, and interest in the application and
invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority
under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue
any Letters Patent granted upon the invention set forth in the application to the assignee, its
successors and assigns; and I/we will execute without further consideration all papers deemed
necessary by the assignee in connection with the United States application when called upon to
do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK
& SEAS, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here
in parentheses (Application number 09/941,062 and Confirmation number 7421 ,
filed August 30, 2001) the filing date and application number of said application when known.

Date:

7/09/01

s/Heng Loong LEE

Date:

7/9/01

s/Dimitra SIMEONIDOU

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)