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To the best of my knowledge and belief, the foregoing information is true and
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Respectfully submitted,

Terryence F. Chapman

TFC\pcq

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PATENT
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101/2003/07-07

ASSIGNMENT

United States (Sole or Joint)
(Excluding Foreign Rights)

WHEREAS, I/We, (1)Katsuyuki TSUCHIDA, (2)Masashi KUMAGAI and
(3)Fumiaki AKASE

residing at (1)Kitaibaraki-shi, Ibaraki, Japan; (2)Hitachi-shi, Ibaraki, Japan; and
(3)Hitachi-shi, Ibaraki, Japan

have invented certain new and useful improvements in
SURFACE TREATED COPPER FILM

for which an application for United States Letters patent was
signed by us on November 19, 2003.

WHEREAS, (1)NIKKO MATERIALS CO., LTD.

having a place of business at (1)10-1, Toranomon 2-chome, Minato-ku, Tokyo,
Japan

hereinafter called the "Assignee", is desirous of acquiring the entire
right, title and interest in and to said invention and in and to any
Letters Patent that may be granted therefor, in the United States and
its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00)
and other valuable considerations, the receipt whereof is hereby
acknowledged, I/we have sold, assigned and transferred, and by these
presents do sell, assign, transfer and confirm in and to said Assignee
my/our full and exclusive right to the said invention in the United
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and interest in and to said application and any and all Letters Patent
which may be granted therefor in the United States and its territorial
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and extensions thereof.

I/We hereby authorize and request the Patent Office Officials in
the United States to issue any and all of said Letters Patent, when
granted, to said Assignee for the sole use and behoof of the said
Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

Witnessed by:

Inventor(s):

Date:

Norio Kagami
Norio KAGAMI

Katsuyuki Tsuchida November 19, 2003
Katsuyuki TSUCHIDA

Masashi Kumagai November 19, 2003
Masashi KUMAGAI

Fumiaki Akase November 19, 2003
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