

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Joo Hyun KIM</td><td>03/11/2009</td></tr><tr><td>Bong Soon KANG</td><td>03/13/2009</td></tr><tr><td>Sung Jin LEE</td><td>03/11/2009</td></tr><tr><td>Hyo Won JEONG</td><td>03/11/2009</td></tr><tr><td>Won Tae CHOI</td><td>03/11/2009</td></tr><tr><td>Boo Dong KWAK</td><td>03/13/2009</td></tr></tbody></table>	Name	Execution Date	Joo Hyun KIM	03/11/2009	Bong Soon KANG	03/13/2009	Sung Jin LEE	03/11/2009	Hyo Won JEONG	03/11/2009	Won Tae CHOI	03/11/2009	Boo Dong KWAK	03/13/2009	
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RECEIVING PARTY DATA															
Name:	Samsung Electro-Mechanics Co., Ltd.														
Street Address:	314 MAETAN3-DONG, YEONGTONG-GU														
City:	SUWON, GYUNGGI-DO														
State/Country:	REPUBLIC OF KOREA														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12413935</td></tr></tbody></table>	Property Type	Number	Application Number:	12413935											
Property Type	Number														
Application Number:	12413935														
CORRESPONDENCE DATA															
Fax Number:	(703)518-5499														
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REEL: 022468 FRAME: 0932

Total Attachments: 2
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Docket No.

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|----------------------------|---------------------------|
| (1) <u>KIM, Joo Hyun</u> | (4) <u>JEONG, Hyo Won</u> |
| (2) <u>KANG, Bong Soon</u> | (5) <u>CHOI, Won Tae</u> |
| (3) <u>LEE, Sung Jin</u> | (6) <u>KWAK, Boo Dong</u> |

who have made a certain new and useful invention, hereby sell, assign and transfer unto
SAMSUNG ELECTRO-MECHANICS CO., LTD.

314 Maetan3-dong, Yeongtong-gu,

Suwon, Gyunggi-do, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled **METHOD OF GROUPING PIXELS IN 2D DIGITAL IMAGE**

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or
(b) for which an application for United States Letters Patent was executed on _____, and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTOR(S)

DATE SIGNED

1) Joo Hyun Kim
Name: KIM, Joo Hyun

2009. 3. 11

2) Bongsoon Kang
Name: KANG, Bong Soon

2009. 3. 13

3) Sung Jin
Name: LEE, Sung Jin

2009. 3. 11

4) Jeong Hyo Won
Name: JEONG, Hyo Won

2009. 3. 11

5) Choi Won Tae
Name: CHOI, Won Tae

2009. 3. 11

6) Kwak Boo Dong
Name: KWAK, Boo Dong

2009. 3. 13