

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Dae-Joung KIM</td> <td>12/01/2008</td> </tr> <tr> <td>Chul-Yong CHO</td> <td>12/01/2008</td> </tr> <tr> <td>Sung-II BANG</td> <td>12/01/2008</td> </tr> <tr> <td>Kyung-Hoon LEE</td> <td>12/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Dae-Joung KIM	12/01/2008	Chul-Yong CHO	12/01/2008	Sung-II BANG	12/01/2008	Kyung-Hoon LEE	12/01/2008
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RECEIVING PARTY DATA											
Name:	Samsung Electronics Co., Ltd.										
Street Address:	416, Maetan 3-dong, Paldal-gu										
City:	Suwon-city, Kyunggi-do										
State/Country:	REPUBLIC OF KOREA										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>29313282</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	29313282						
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CORRESPONDENCE DATA											
Fax Number:	(269)381-5465										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email:	docket@flynnthiel.com										
Correspondent Name:	FLYNN, THIEL, BOUTELL & TANIS, P.C.										
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ATTORNEY DOCKET NUMBER:	3138.P0616US										
NAME OF SUBMITTER:	Liane L. Churney										
Total Attachments: 1 source=3138.P0616US#page1.tif											

CH \$40.00 29313282

ASSIGNMENT

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

WHEREAS, I/We,

Dae-Joung KIM (#503-1602 Hyundai APT., Jayang 5-cha, 642-bunji, Jayang 2-dong,
Kwangjin-ku, Seoul, Korea)

Chul-Yong CHO (#305-1303 Woosung APT., Shingil 6-dong, Youngdeungpo-ku, Seoul,
Korea)

Sung-Il BANG (#102-1504 Lotte APT., Samsung-dong, Kangnam-ku, Seoul, Korea)

Kyung-Hoon LEE (#102-202 Samsung APT., Pyungchung-dong, Jongro-ku, Seoul, Korea)

residing at

have invented certain new and useful improvements in Set top box
for which an application for United States Letters Patent was signed on even date

WHEREAS, Samsung Electronics Co., Ltd.

having a place of business at 416, Maetan 3-dong, Paldal-gu, Suwon-city, Kyunggi-do, Korea

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 States and its
territorial possessions and my/our entire right, title 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 possessions and in and to any and all divisions, reissues, continuations 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 :

December 1, 2008

Dae-Joung KIM *AKB*

Chul-Yong CHO *MCB*

Sung-Il BANG *KBOH*

Kyung-Hoon LEE *KL*

PATENT