

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>Hyung-Sup SHIM</td> <td>04/09/2012</td> </tr> <tr> <td>Eun-Young KIM</td> <td>04/09/2012</td> </tr> <tr> <td>Ho-Young SEOC</td> <td>04/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Hyung-Sup SHIM	04/09/2012	Eun-Young KIM	04/09/2012	Ho-Young SEOC	04/09/2012
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu,</td> </tr> <tr> <td>City:</td> <td>Suwon-city, Kyunggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu,	City:	Suwon-city, Kyunggi-do	State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1									
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CORRESPONDENCE DATA									
<p>Fax Number: (269)381-5465 Phone: 269-381-1156 Email: docket@flynnthiel.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Liane L. Churney Address Line 1: 2026 Rambling Road Address Line 4: Kalamazoo, MICHIGAN 49008</p>									
ATTORNEY DOCKET NUMBER:	3138.P0907US								
NAME OF SUBMITTER:	Liane L. Churney								
Total Attachments: 1 source=Assignment#page1.tif									

OP \$40.00 29419697

ASSIGNMENT

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

WHEREAS, I/We,

Hyung-Sup SHIM (918-7, Bangbae 1-dong, Seocho-gu, Seoul, Korea)

Eun-Young KIM (408-105, Sibeomdanji Hyundai APT., Seohyeon-dong, Bundang-gu,
Seongnam-city, Kyunggi-do, Korea)

Ho-Young SEOC (204-1202, Seonghyeon Maeul Umi 2 cha APT., Jukjeon 1-dong,
Suji-gu, Yongin-city, Kyunggi-do, Korea)

residing at

have invented certain new and useful improvements in external hard disk drive
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-dong, Yeongtong-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 September 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 :

April 09, 2012

Hyung-Sup SHIM

형섭

Eun-Young KIM

은영

Ho-Young SEOC

호영

PATENT