

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Dwight Cavendish Systems Limited	11/20/2008
RECEIVING PARTY DATA	
Name:	EchoStar Ltd.
Street Address:	The Icon
Internal Address:	Lytton Way
City:	Steeton
State/Country:	UNITED KINGDOM
Postal Code:	SG1 1AH
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13231724
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ATTORNEY DOCKET NUMBER:	P191146.US.02
NAME OF SUBMITTER:	Valerie H. Brown

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Total Attachments: 14
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DEED OF PATENT ASSIGNMENT

This Deed of Patent Assignment (the "Deed") is entered into by and between Dwight Cavendish Systems Limited, an English company ("Seller") and EchoStar Ltd., an English company ("Buyer") as of this 20th day of November, 2008.

RECITALS

A. Buyer desires to acquire ownership of the patents and patent applications listed in Exhibit A attached hereto (collectively, the "Patents") from Seller pursuant to that certain Asset Purchase Agreement between Buyer and Seller dated as of November 20, 2008 (the "Purchase Agreement"). All capitalized terms used in this Deed but not otherwise defined in this Deed shall have the meanings ascribed to them in the Purchase Agreement.

B. Seller desires to transfer all right, title and interest in and to the Patents to Buyer. Now, therefore, in consideration of the mutual covenants herein and for other good and valuable consideration paid to Buyer by Seller, receipt of which Seller hereby acknowledges, Buyer and Seller agree as follows:

1. Seller hereby assigns, transfers, grants, sells and otherwise conveys to Buyer all of Seller's right, title and interest in and to the Patents, including all common law rights therein, applications to register therefor, and continuations, corresponding publications, divisions, continuations in part, reissues, reexaminations, extensions or foreign equivalents thereof, including foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, together with all claims for damages by reason of past, present and future infringements of the Patents with the right to sue for and collect the same for its own use and benefit, and for the use and on behalf of its successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Seller if this Deed had not been made.

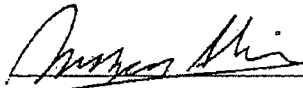
2. Seller authorizes the Commissioner of Patents and Trademarks of the United States of America, and the empowered officials of all other governments to issue or transfer all the Patents and continuations, divisions, continuations in part, reissues, reexaminations, extensions or foreign equivalents thereof, to Buyer, as assignee thereof, or otherwise as Buyer may direct.

3. Seller agrees, subject to payment of its reasonable costs and expenses (which in the case of execution of documents shall be subject to Section 9(b) of the Purchase Agreement), to execute and deliver all agreements, documents or other materials requested by Buyer and assist Buyer in any reasonable manner to obtain, perfect and enforce, for Buyer's benefit, Buyer's right, title and interest, in any and all countries throughout the world, in and to all right, title and interest in and to the Patents.

[remainder intentionally blank]

IN WITNESS WHEREOF, the parties hereto have caused this to be duly executed and delivered as a deed as of November 20, 2008.

DWIGHT CAVENDISH SYSTEMS LIMITED

By: 

Name: MAZEN ABDIN

Title: Director

Name: _____

Title: Director

ECHOSTAR LTD.

By: _____

Name: _____

Title: Director

Name: _____

Title: Director

[Signature page to Deed of Patent Assignment]

IN WITNESS WHEREOF, the parties hereto have caused this to be duly executed and delivered as a deed as of November 20, 2008.

DWIGHT CAVENDISH SYSTEMS LIMITED

By: _____

Name: _____

Title: Director

Name: _____

Title: Director

ECHOSTAR LTD.

By: Mark Lech

Name: Mark Lech

Title: Director

By: [Signature]

Name: [Signature]

Title: Director

[Signature page to Deed of Patent Assignment]

Exhibit A

1. United Kingdom patent application number 9908168.9 (publication GB2348736) and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: AU773149, EU1169707, US6,882,490, publications GB2348736, WO00/62291, JP2002-541612 and application US11/087,845, and the inventions, patents and/or applications set forth in Table 1 below.
2. United Kingdom patent application number 0202384.4 (publication GB2387497) and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: publications GB2387497, GB2396767, WO03/065716, and application US10/909,918, and the inventions, patents and/or applications set forth in Table 2 below.
3. United Kingdom patent application number 0215040.7 (publication GB2390247) and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: publications WO2004/004346, China CN1,679,334, EP1,532,814, EP1,926,318, and applications AU2003246921, Canada CA2,495,200, JP2005-531957 and US10/520,027, and the inventions, patents and/or applications set forth in Table 3 below.
4. United Kingdom patent application number 0422743.5 (publication GB2419220) and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: publication WO2006/040565, and applications EP05792742.8, JP2008-516374 and US11/655,508, and the inventions, patents and/or applications set forth in Table 4 below.
5. International patent application number PCT/GB2004/002415 and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: publication EP1668900, and applications AU2004246229 A1 and US10/559,715, and the inventions, patents and/or applications set forth in Table 5 below.
6. United Kingdom patent application number 0513051.3 (now abandoned in favor of the PCT), and PCT/GB2006/002358 and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation: PCT/GB2006/002358 (publication WO 2007/000585), and application EP06755644.9, and the inventions, patents and/or applications set forth in Table 6 below.
7. United Kingdom patent application number 0322134.8, and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and the inventions, patents and/or applications set forth in Table 7 below.

8. Any publications, continuations, divisionals, or foreign counterparts claiming the inventions corresponding to the Reddie & Grose docket number P/50164 or entitled ANTI-COPY INFORMATION SIGNAL (for which currently no application has been filed), and the inventions, patents and/or applications set forth in Table 8 below.

9. United Kingdom patent application number 0720526.3 and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions, and including without limitation, application PCT/GB2008/003567, and the inventions, patents and/or applications set forth in Table 9 below.

10. Any subsisting rights in international patent application PCT/NL01/00263 (publication WO 01/7620) and any corresponding publications, continuations, divisionals, or foreign counterparts claiming the priority date of or disclosing and claiming the same inventions and including without limitation, publications EP1319308A1, and AU0146941A5 (all of which patents/applications, to the extent they ever subsisted, have been abandoned or allowed to lapse after publication).

Table 1

Reddie & Grose (R&G) P/40660: AUDIO ANTI-COPY PROTECTION USING FREQUENCY ANALYSIS
Alternate Title: SYSTEM FOR PROTECTION AGAINST COPYING ON MAGNETIC TAPE RECORDERS
Inventors: Tan, Mazen

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	9908168.9	2348736	9-Apr-1999	9-Apr-1999	Granted 24 Sep-2003. Revoked in favor of EP1169707 below.
International Application	PCT/GI300/01314	WC00/62291	7-Apr-2000	9-Apr-1999	Entered the national stage in AU, EP, JP, and US
Australia	38287/I/0	773149	7-Apr-2000	9-Apr-1999	Granted 9-Sep-2004: lapsed failure to pay the 2006 renewal fee. Restoration was accepted , and the case is in force.
European	00917194.3	1169707	7-Apr-2000	9-Apr-1999	Granted 10-Dec-2003: elected in AT, BE, CH, CY, LI, DE, DK, ES, FI, FR, GB, GR, IE, IT, NL, PT, SE. Portugal has lapsed.
Japan	2000-611277	2002-541612	7-Apr-2000	9-Apr-1999	Awaiting examination.
United States (US01)	09/958611	6882490	7-Apr-2000	9-Apr-1999	Granted on 19 April 2005.
Continuation United States (US02)	11/087,845	2005/0162771A1	7-Apr-2000	9-Apr-1999	Undergoing examination.

Table 2

R&G P/42929: VIDEO PAY-TV ANTI COPY SYSTEM
Alternate Title: ANTI-COPY PROTECTION FOR A VIDEO SIGNAL
Inventors: Wijnen, Tan

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom (GB04)	0202384.4	GB 2387497	1-Feb-2002	1-Feb-2002	Granted 8-Dec-2004 (Vertical Sync Pulse)
Divisional United Kingdom (GB13)	0407606.3	GB2396767	1-Feb-2002	1-Feb-2002	Granted 8-Sep-2004 (Horizontal Sync Pulse). Lapsed failure to pay renewal fee.
International Application	PCT/GB2003/000450	WO03/065716	3-Feb-2003	1-Feb-2002	Entered the national phase in US only.
European	EP03732722	W003/065716			EP# assigned, NOT entered in EP national phase.
United States (US01)	US 10/909,918	2005/0111661	3-Feb-2003	1-Feb-2002	Undergoing Examination (Horizontal Sync Pulse Aspect)
United States (US02)	Not yet filed	Not yet filed	3 Feb 2003	1 Feb 2002	To file for the vertical synch pulse aspect.

Table 3

R&G P/ 44191: VIDEO THREE TYPE PROTECTION (Method and Apparatus for providing an Anticopy Video Signal)
 Alternate Titles: AN IMPROVED METHOD AND APPARATUS FOR PROVIDING AN ANTI-COPY VIDEO SIGNAL
 Inventors: Tan, Mazen

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	0215040.7	2390247	28-Jun-2002	28-Jun-2002	Granted on 12-Apr-2006.
International	PCT/GI2003/002782	WO2004/004346	30-Jun-2003	28-Jun-2002	Entered National Phase in AU, CA, EP, JP and the US.
Australia	2003246921		30-Jun-2003	28-Jun-2002	Undergoing examination.
Canada	2,495,200		30-Jun-2003	28-Jun-2002	Undergoing examination
China	03820576.9	1,679,334	30-Jun-2003	28-Jun-2002	Granted 25-Jun-2008
Europe	03761701.6	1,532,814	30-Jun-2003	28-Jun-2002	Allowed.
European Divisional	08002037.3	1,926,318	30-Jun-2003	28-Jun-2002	Awaiting examination.
Japan	2005-531957		30-Jun-2003	28-Jun-2002	Awaiting examination.
United States	101520.027	2006/0093326	30-Jun-2003	28-Jun-2002	Awaiting examination.

Table 4

R&G P/47364: Improved Audio Anti Copy System
Alternate Title: AUDIO COPY PROTECTION SYSTEM
Inventors: Robinson

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	0422743.5	2,419,220	13-Oct-2004	13-Oct-2004	Undergoing examination
International	PCT/GB2005/003948	WO2006/040565	13-Oct-2005	13-Oct-2004	Entered National Stage in EP, AU, CA, JP and the US.
Australia	2005293381		13-Oct-2005	13-Oct-2004	Application filed
Canada	2584219		13-Oct-2005	13-Oct-2004	Application filed
Europe	EP 05792742.8	EP1803125	13-Oct-2005	13-Oct-2004	Awaiting examination
Japan	2008-516374		13-Oct-2005	13-Oct-2004	Awaiting examination in respect of claim 1.
US	11/665,508	2008/0089202	13-Oct-2005	13-Oct-2004	Awaiting examination

Table 5

R&G P/47544: DIGITAL PROCESSING DISRUPTION SYSTEM
Alternate Title:
Inventors: Tan, Hu

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
International	PCT/GH2004/002415	WO 2004/110060	7-Jun-2004	5-Jun-2003	Entered National Stage in AU, CA, EP, and US.
United Kingdom	GB2003/000012985	GB0312985	05 Jun 2003		Terminated prior to publication
Australia	AU2004/246229 A1		7-Jun-2004	5-Jun-2003	Awaiting examination.
Canada	2569613		7-Jun-2004	5-Jun-2003	Application filed.
European	04736226.4	1668900	7-Jun-2004	5-Jun-2003	Undergoing examination
United States	10/559,715	2007/0030968	7-Jun-2004	5-Jun-2003	Awaiting examination

Table 6

R&G P/47734: COLOUR BLOCK (of Baolin Tan)
Alternate Title: COPY PROTECTION METHOD AND APPARATUS
Inventors: Tan

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	0513051.3		27-Jun-2005	27-Jun-2005	Abandoned in favor of the below PCT application filed 27 June 2006.
International	PCT/GB2006/002358	WO 2007/000585	27-Jun-2006	27-Jun-2005	Entered National Stage in EP and US.
United States	11/988,081	TBC, not publ.	27-Jun-2006	27-Jun-2005	Awaiting examination.
European	06755644.9	EP1908282	27-Jun-2006	27-Jun-2005	Awaiting examination.

Table 7

R&G P/47735: RIGHTS MANAGEMENT SYSTEM

Alternate Title:

Inventors:

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	0322134.8		22-Sep-2003	22-Sep-2003	Terminated, Not continued with.

Table 8

R&G P/50164: ANTI-COPY INFORMATION SIGNAL

Alternate Title:

Inventors:

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	N/A	N/A	N/A	N/A	Never filed.

Table 9

R&G P/52928: FACE DETECTION PROTECTION SYSTEM

Alternate Title:

Inventors:

Country	Application No.	Publication No.	Filing Date	Priority Date	Status
United Kingdom	0720526.3	TBC	22-Oct-2007	22-Oct-2007	Application filed.
International Application	PCT/GB2008/003567	TBC	21-Oct-2008	22-Oct-2007	Application filed.