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PATI	ENTS ONLY Our Ref.: 4295-12
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1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Robert Andrew Hayes Ewout Viktor Morks Bokke Johannes Feenstra Patrice Gerard Christian Jaulnes Leendert Marinus Hage Ivo Godfried Jozef Camps Ronald Martin Wolf Lucas Josef Maria Schlangen	(1) Name: Koninklijke Philips Electronics N.V. Street Address: Groenewoudseweg 1 City: 5621 BA Eindhoven State/Country: The Netherlands Zip:
Additional name/s of conveying party/ies attached? 3. Nature of conveyance: Assignment Becurity Assignment Change of Name Other	(2) Name: Street Address: City: State/Country: Zip:
Execution Date: December 16, December 16, December 27, December 23, December 16, December 16, December 16, December 16, 2004, respectively	
-4. Application number(s) or patent number(s): A. Patent Application No(s). (1) 10/557,378 (2) (3) Additional number	This assignment is being filed together with a new application. B. Patent No(s). (1) (2) (3) s attached \square Yes \boxtimes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00
Name: Larry S. Nixon Internal Address:	Authorized to be charged to deposit account #14-1140
Street Address: Nixon & Vanderhye P.C. 901 North Glebe Road 11th Floor City: Arlington State: VA Zip: 22203	8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.
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of the original document. Larry S. Nixon	mation is true and correct and any attached copy is a true copy Signature July 17, 2006 Date
	riginal cover sheet, attachments, and document: [7]

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#1094824 v1 - 4195-12.cvr/ass inv to assigne

REEL: 018105 FRAME: 0104

invented by us, which application:

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to Koninklijke Philips Electronics N.V. (hereinafter "Assignee") a corporation existing under the laws of Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors and assigns, the application for a United States Patent for the improvements in a

is Serial No	/us on filed	50693 filed 13 May 2004,	
continuations and extensissue all Patents on said covenant that I have ful any facts known to me execute all divisional, or	sions thereof, and authorized improvements or resulting a right so to do, and agreement agreement improvement in the said impr	tents which may be granted therefor, and all the and request the Commissioner of Patents of therefrom to said Assignee as assignee of that I will communicate to said Assignee or tents and testify in any legal proceeding, sign dications, make all rightful oaths and general tents and nominees, to obtain and enforce prop	and Trademarks to the entire interest and its representatives all lawful papers, lly do everything
16 December 2004 Date	(sign name here)	Robert Andrew HAYES	, Assignor
16 December 2004 Date	(sign name here) (print name here)	Boline Johannes FEENSTRA	, Assignor
16 December 2004 Date	(sign name here) (print name here)	LM Hage Leendert Marinus HAGE	, Assignor

	(sign name nere)		, Assignor
Date	(print name here)	Ronald Martin WOLF	
27 December 2004 Date	(sign name here)	Evout Viktor MORKS	, Assignor
	(sign name here)		, Assignor
Date	(print name here)	Patrice Gérard Christian JAULNEAU	
	(sign name here)		, Assignor
Date	(print name here)	Ivo Godfried Jozef CAMPS	
	(sign name here)		, Assignor
Date	(print name here)	Lucas Josef Maria SCHLANGEN	

(print name here)

PATENT REEL: 018105 FRAME: 0106 For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to Koninklijke Philips Electronics N.V. (hereinafter "Assignee") a corporation existing under the laws of Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors and assigns, the application for a United States Patent for the improvements in a

invented by us, which app	lication:			
is Serial No.	s on filed			
and all rights in and to said application, and all Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all Patents on said improvements or resulting therefrom to said Assignee as assignee of the entire interest and covenant that I have full right so to do, and agree that I will communicate to said Assignee or its representatives any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said invention.				
16 December 2004 Date	(sign name here) (print name here)	Robert Andrew HAYES	, Assignor	
16 December 2004 Date	(sign name here) (print name here)	Bolde Johannes FEENSTRA	, Assignor	
16 December 2004 Date	(sign name here)	Leendert Marinus HAGE	, Assignor	

	(sign name here)		, Assignor
Date	(print name here)	Ronald Martin WOLF	
	(sign name here)		, Assignor
Date	(print name here)	Ewout Viktor MORKS	
23 December 2004	(sign name here)		, Assignor
Date	(print name here)	Patrice Gérard Christian JAULNEAU	
	· · ·	÷	
Date	(sign name here)	Ivo Godfried Jozef CAMPS	, Assignor
	(sign name here)		, Assignor
Date	(print name here)	Lucas Josef Maria SCHLANGEN	, riosignoi

PATENT REEL: 018105 FRAME: 0108

U.S.A. Sole/Joint

ASSIGNMENT

For good and valuable consideration, of which I acknowledge receipt, I, as a below-named assignor, sell and assign to Koninklijke Philips Electronics N.V. (hereinafter "Assignee") a corporation existing under the laws of Kingdom of the Netherlands, whose business address is Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors and assigns, the application for a United States Patent for the improvements in a

nvented by us, which ap	oplication:		
is executed concurren	ntly herewith		
<u> </u>	us on		

		50693 filed 13 May 2004 ,	
and all rights in and to s	aid application, and all Pa	tents which may be granted therefor, and al	l divisions, reissues,
continuations and extens	sions thereof, and authoriz	ze and request the Commissioner of Patents	and Trademarks to
	•	g therefrom to said Assignee as assignee of	
	-	that I will communicate to said Assignee or	
•		ents and testify in any legal proceeding, sign	
•	• • • • • • • • • • • • • • • • • • • •	ications, make all rightful oaths and genera	- •
•	ignee, its successors, assig	ms and nominees, to obtain and enforce pro	per protection for said
invention.			
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16 December 2004	(sign name here)	Debert Andrew WAVES	, Assignor
Date	(print name here)	Robert Andrew HAYES	
		46 A	
16 7 1 0001	(sign name here)	The second second	, Assignor
16 December 2004 Date	(print name here)	Bolite Johannes FEENSTRA	,
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16 December 2004	(sign name here)	M High	, Assignor
Date	(print name here)	Leendert Marinus HAGE	

16 December 2004	(sign name here)	ymu	, Assignor
Date	(print name here)	Ronald Martin WOLF	
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	(sign name here)		, Assignor
Date	(print name here)	Ewout Viktor MORKS	
	(sign name here)		, Assignor
Date	(print name here)	Patrice Gérard Christian JAULNEAU	
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16 December 2004	(sign name here)	ampa	, Assignor
Date	(print name here)	Ivo Godfried Jozef CAMPS	
		1700	
16 December 2004	(sign name here)	15 chlange	, Assignor
Date	(print name here)	Lucas Josef Maria SCHLANGEN	

RECORDED: 07/17/2006

PATENT REEL: 018105 FRAME: 0110