Name: Philips Electronics North America Corporation 7. Total fee (37 CFR 3.41)\$40.00 Internal Address: Enclosed X Authorized to Depos Street Address: 580 White Plains Road 8. Deposit Account Number: 14-1270 (Attach duplicate copy of this page years) by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments	US 010233				
1. Name of conveying partylies): MYTHERA DIMITIONAL AND ALKER DAMER MESVADBA SUMEN SALOWING Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: X Assignment Merger Change of Terms X Other To spacify each inventor of conveying party and charge for conveying party for conveying conveying for conveying party for conveying party for conveying conveying for conveying for conveying party for conveying		1019520	14	U.S. Depi	t. of Commerce nd Trademark Office
Assignment Security Agreement Change of Terms Yes No Other To specify each inventor of conveying party and charge inc. 14-1270 on assignment Previously sent and given Document ID No.101732790. Execution Date: MAY 8,OCT. 5, MAY 8, SEPT. 28, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application, is A. Patent Application No.(s) 9/854,511 Additional numbers attached? Yes X No S. Name and address of party to whom correspondence concerning document should be mailed: Name: Philips Electronics North America Corporation Internal Address: Street Address: 580 White Plains Road City: Tarrytown State: Ny Zip: 10591 Do NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Ecic M. Bram. Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Sox Assignments	1. Name of conveying party(ie nsvenka dimitrova thomas mcGee Gerhard mekenkamp Jan alexis daniel nesvadba edwin salomons Additional name(s) of conveying the new conveying the	es): \(\langle \langle \langle 2\). Na ng party(ies) attached?	Name and addr	ess of recei ke Philips E ess:	iving party(ies):
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application, is A. Patent Application No.(s) B. Patent No.(s) 09/854,511 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Philips Electronics North America Corporation Internal Address: Street Address: 580 White Plains Road Street Address: 580 White Plains Road ONOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 5 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments	X Assignment Security Agreement X Other To spectonveyi \$40.00 no. 14-previous	Change of Terms cify each inventor of ing party and charge to deposit account 1270 on assignment isly sent and given	Additional na	me(s) & addi	ress(es) attached?
concerning document should be mailed: Name: Philips Electronics North America Corporation 7. Total fee (37 CFR 3.41)\$40.00 Internal Address: Street Address: 580 White Plains Road 8. Deposit Account Number: 14-1270 (Attach duplicate copy of this page in by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments	4. Application number(s) or p If this document is being application, is A. Patent Application No.(patent number(s): filed together with a new ap	B. Patent N	Io. (s)	No
City: Tarrytown State: NY Zip: 10591 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments	concerning document should Name: Philips Electronics Corporation	North America	Total fee (37	CFR 3.41)	1
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments			(Attach dupl	icate copy o	
To the best of my knowledge and belief, the foregoing information is true and correct and an copy is a true copy of the original document. Eric M. Bram, Reg. 37,285 Name of Person Signing Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to: Commissioner for Patents Box Assignments		DO NOT USE 1	THIS SPACE		
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Form PTO 1595 (Rev. 6-93) Office

U.S. Dept. of Commerce Patent and Trademark

Office (01102:00							
To the Commissioner for Patents: Please record the attached original documents or copy thereof.							
<pre>1. Name of conveying party(ies):</pre>	2. Name and address of receiving party(ies):						
Nevenka Dimitrova, et. al.	Name: Koninklijke Philips Electronics N.V.						
Additional name(s) of conveying party(ies) attached?	Internal Address:						
Yes No							
$\begin{bmatrix} x \end{bmatrix}$							
5-17-01	Street Address: <u>Groenewoudseweg 1</u>						
3. Nature of conveyance:	City: <u>Eindhoven</u> Country: <u>The Netherlands</u>						
X Assignment Merger	5621 BA						
Security Agreement Change of Terms	Additional name(s) & address(es) attached?						
	Yes X No						
Other							
Execution Date: 3/30/01							
4. Application number(s) or patent number(s):							
If this document is being filed together with application, is	a new application, the execution date of the						
A. Patent Application No.(s)	B. Patent No.(s)						
NONE YET Additional numbers attached? Yes X No							
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved:							
Name: Philips Electronics North America Corp.	7. Total fee (37 CFR 3.41)\$40.00						
Internal Address:	X Enclosed Authorized to Deposit Account						
	8. Deposit Account Number:						
Street Address: _580 White Plains Road (Attach duplicate copy of this page paying							
by deposit account) City: Tarrytown State: NY Zip: 10591							
DO NOT USE THIS SPACE							
9. Statement and signature.							
To the best of my knowledge and belief, the for attached copy is a true copy of the original documents.	oregoing information is true and correct and any ment.						
Mark A. Catan	3/30/01						
Name of Person Signing Signature	Date						
Total number of pages including cover sheet, attachments, and document:3							
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Washington, D.C. 20231

The PTO did not receive the following listed Items(s) # Chuk and 4005

REEL: 012461 FRAME: 0819

PATENT

SOLE/JOINT ASSIGNMENT

Docket No. <u>US US010233</u>

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V. having a place of business at Groenewoudseweg 1, 5621 BA, Eindhoven, The Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) my/our invention relating to VIDEO CONTENT DETECTION METHOD AND SYSTEM LEVERAGING DATA-COMPRESSION CONSTRUCTS as described in the U.S. patent application [X] executed concurrently herewith, [] executed on ___ | | filed in the United States Patent and Trademark Office ___ as Serial Number ____
- the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and
 - all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

May 8 2001 (signature) Nevenue Omitrova, Assignor Nevenka Dimitrova

May 8, 2001 (signature) Thomas McGee

Assignor Thomas McGee

ARLINE HAY-OBRIEN

ARLINE HAY-OBRIEN
Notary Public, State of New York No. 01HA5076262

Qualified in Dutchess County

Commission Expires April 21, 1999

PATENT REEL: 012461 FRAME: 0820

SOLE/JOINT ASSIGNMENT

Docket No. <u>US US010233</u>

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V. having a place of business at Groenewoudseweg 1, 5621 BA, Eindhoven, The Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to <u>VIDEO CONTENT DETECTION METHOD AND SYSTEM</u>
<u>LEVERAGING DATA-COMPRESSION CONSTRUCTS</u> as described in the U.S. patent application
[X] executed concurrently herewith,
[] executed on,
[] filed in the United States Patent and Trademark Office
on as Serial Number,

- (2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and
 - (3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

Hebertang

I certify that I have the full right to convey the above rights.

(signature) Gerhard Mekenkamp

Dated:8 th May	2001	Inventor's Signature:	Ja Van
Full Name	Last Name	First Name	Middle Name
of Inventor	Nesvadba	Jan	Alexis Daniel
or inventor	Nesvada	Odli	ATEXIS DAILET
Residence &	City	State or Foreign Country	Country of Citizenship
Citizenship	Eindhoven	The Netherlands	Austria
Post Office	Street	City	State or Country Zip The Netherlands Code
Address	Palestrinastraat	Eindhoven	

PATENT REEL: 012461 FRAME: 0822

SOLE/JOINT ASSIGNMENT

Docket No. US010233

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V. having a place of business at Groenewoudseweg 1, 5621 BA, Eindhoven, The Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) my/our invention relating to VIDEO CONTENT DETECTION METHOD AND SYSTEM LEVERAGING DATA-COMPRESSION CONSTRUCTS as described in the U.S. patent application
 - [] executed concurrently herewith,
 - [] executed on
 - [X] filed in the United States Patent and Trademark Office on May 14, 2001 as Serial Number 09/854,511,
- (2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and
 - (3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

28,901

Edwin Salomons

Assignor

RECORDED: 01/08/2002

PATENT REEL: 012461 FRAME: 0823